# A Compilation Report

## Phytochemical and Biological Screening of Medicinal Plants of Nepal


**Government of Nepal**
Ministry of Forests and Soil Conservation
Department of Plant Resources
Natural Products Research Laboratory
Thapathali, Kathmandu, Nepal


2014

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# Forewords

The Laboratories under department has done tremendous job in last 40 years from the day of establishment of institute. It does phytochemical analysis in more than 300 plants. Similarly works has been done in pharmacogonostical n biological screening of medicinal and aromatic plants. These findings from our laboratories were great assets for the further research and de¬velopment of the species. The findings also contains some datas from which we can find some antidiabetic plants. The list of plant having toxicity is another aspect of this book. By publishing this book ,the researcher ,scientific community n ultimately our traders will be highly benefit¬ted. This will be the pioneer document regarding chemical and biological analysis of medicinal plants based on our own research.

In this context ,this book is prepared to provide the general information on the chemical and biological aspects of nepalese medicinal plants.

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Mr. Yam Bahadur Thapa
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Thapathali, Kathmandu
July, 2014

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Last but not least Scientists who were engaged in the research work since the establishment of the Laboratory are highly appreciated for their untiring and continuous research work.

Jyoti Joshi
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Thapathali, Kathmandu

# Background

Essential oils are high value and low volume commodities. This makes them attractive crops to grow and process for small holder farmers and remote communities where transport facilities prevent them from marketing high volume cash crops.

Essential oils are one of the most important commodities exported from Nepal that can create a local level opportunity and contribute to economic growth of the country. These value added products are processed from native resources and have growing market demand. The essential oils are used for wide variety application such as perfumes, flavors, medicaments, cosmetics, household products and toiletries.

World's total annual production of essential oils ranges from 100,000-110,000 tons. Major producers of essential oils are Brazil, China, USA, Egypt, India, Mexico, Guatemala and Indonesia. By comparison, Nepal produces only a negligible volume (Gurung, 2009). The world market for plant based medicines is estimated at US $ 30 billion, of which world trade of essential oils average over US $ 1.1 billion annually in which principal import markets are USA (40%), EU (30%) and Japan (7%) occupying over 75% of the total import (CBI, 2007).

Nepal exports about 55 tons of essential oils representing 2% of global trade, positioning the country 72 in the list of exporters category. Similarly, Nepal exports about 29 tons of essential oils to India only (Gurung, 2009). This is the indication that the government or trader/exporter or development organizations should work in the coordinated way for economic growth and poverty alleviation in Nepal.

This book consists of compilation of the Phytochemical and biological screening test of some important and most traded Medicinal and Aromatic Plants.

Hope fully this book will be very useful for researcher and policy makers as baseline.

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# Pharmacognostic Analysis

| S.N. | Scientific Name | Family | Local Name | Parts used | Refrence (Annual Report) |
|---|---|---|---|---|---|
| 1 | Abies spectabilis | Pinaceae | Talispatra | Leaf | 2034/35 |
| 2 | Abrus precatorius | Leguminaceae | Lalgedi, Ratigedi | Seed | 2030/31 |
| 3 | Aconitum ferox | Ranunculaceae | Bisma, Seto vikh | Rhizome | 2030/31, 36/37(Root), |
| 4 | Aconitum heterophyllum* | Ranunculaceae | Attis | Root | 2031/32, 42/43 |
| 5 | Aconitum laciniatum | Ranunculaceae | Murula | Root | 2032/33 |
| 6 | Aconitum bisma (syn. Aconitum palmatum) | Ranunculaceae | Bisma | Root | 2031/32, 42/43 |
| 7 | Aconitum spicatum * | Ranunculaceae | Bis | Root | 2030/31, 42/43 |
| 8 | Acorus calamus * | Araceae | Bojho | Rhizome | 2030/31 |
| 9 | Justicia adhatoda (syn. Adhatoda vasica) | Acanthaceae | Asuro | | 2045/46 |
| 10 | Allium govanianum | Amaryllidaceae | Ban jummbu | Bulb | 2068/69 |
| 11 | Allium wallichi | Amaryllidaceae | Ban lasun | Root | 2034/35 |
| 12 | Alnus nepalensis | Betulaceae | Uttis | Twig | 2066/67 |
| 13 | Alstonia scholaris | Apocynaceae | Chhatiwan | bark | 2070/71 |
| 14 | Anaphalis cuneifolia | Compositae | Buki phool | Stem | 2066/67 |
| 15 | Anaphalis triplinervis | Compositae | Buki phool | Whole plant | 2069/70 |
| 16 | Andrographis paniculata | Acanthaceae | Titkaa | Whole plant | 2065/66 |
| 17 | Anisodus luridus | Solanaceae | Dhandur | aerial part | 2070/71 |
| 18 | Arctium lappa | Compositae | Tine, kurro | Whole plant | 2067/68 |
| 19 | Arisaema costatum | Araceae | Kal | Root, leaf, bulb | 2032/33 |
| 20 | Artemisia sp. | Compositae | Titepati | | 2059/60 |
| 21 | Artemisia vestita | Compositae | Titepati | shoot | 2067/68 |
| 22 | Asclepias canescens | Asclepiadaceae | | shoot | 2067/68 |
| 23 | Asparagus racemosus *# | Liliaceae | Kurilo, Satawari | Root | 2033/34, 45/46 |
| 24 | Astilbe rivularis | Saxifragaceae | Budho Okhati | Rhizome | 2068/69 |
| 25 | Azadirachta indica * | Meliaceae | Neem | Leaf | 2045/46, 065/66 |
| 26 | Bauhinia valhii | Leguminaceae | Bhorla | Twig | 2066/67 |
| 27 | Benincasa hispida | Cucurbitaceae | Kubindo | Fruit | 2030/31 |

| | | | | | |
|---|---|---|---|---|---|
| 28 | Berberis aristata | Berberidaceae | Chutro | Bark | 2031/32 |
| 29 | Berberis mucrifolia | Berberidaceae | Chutro | Bark | 2067/68 |
| 30 | Bergenia ciliata * | Saxifragaceae | Pasanaved | Rhizome | 2064/65 |
| 31 | Betula alnoides | Betulaceae | Saur | Root | 2035/36 |
| 32 | Betula utilis | Betulaceae | Bhojpatra | Bark | 2034/35 |
| 33 | Bombax ceiba | Bombacaceae | Simal | Flowers | 2069/70 |
| 34 | Bryophyllum sp. | Crassulaceae | Pathar chur | Leaf | 2068/69 |
| 35 | Buddleja sp. | Loganiaceae | Bhimsenpati | Whole plant | 2068/69 |
| 36 | Buddleja tibetica | Loganiaceae | Bhimsenpati | Shoot | 2067/68 |
| 37 | Calotorpis gigantia | Asclepiadaceae | Aank | root | 2035/36 |
| 38 | Catharathus roseus (syn. Vinca rosea ) | Apocynaceae | Sadabhar | Rhizome, stem, leaf | 2030/31 |
| 39 | Celtis australis | Ulmaceae | Khari | Bark | 2031/32 |
| 40 | Centella asiatica | Umbelliferae | Ghodtapre | Root, leaf | 2031/32 |
| 41 | Ceropegia pubescens | Asclepiadaceae | Mrigi lahara | Bark | 2068/69 |
| 42 | Chenopodium ambrosioides | Chenopodiaceae | Rato Latte | Stem | 2063/64 |
| 43 | Chlorophytum arundinaceum | Liliaceae | Seto musli | Root tuber | 2068/69 |
| 44 | Chrysanthemum cinerariaefolium | Compositae | | Flower | 2031/32 |
| 45 | Cinnamomum tamala * | Lauraceae | Tejpaat | Leaf / bark | 2034/35, 65/66 |
| 46 | Cinnamomum zeylanicum | Lauraceae | Dalchini | Leaf | 2036/37 |
| 47 | Coptis teeta | | | Root | 2045/46, 59/60 (no record) |
| 48 | Curculigo orchioides | Hypoxidaceae | Kalo Musli | Root | 2036/37 |
| 49 | Cymbopogon citratus | Gramineae | Pire ghans | Leaf | 2035/36 |
| 50 | Cyperus rotundus | Cyperaceae | Mothe | Root | 2035/36, 45/46 |
| 51 | Cyperus scariousus | Cyperaceae | Nagar mothe | Rhizome, stem, leaf | 2046/47 |
| 52 | Dactylorhiza hatagirea *# | Orchidaceae | Panchawle | Root | 2063/64 |
| 53 | Delphinium denudatum | Ranunculaceae | Nirbisi | Rhizome | 2030/31 |
| 54 | Dendrobium amoenum | Orchidaceae | Sunakhari | Root/ stem | 2064/65 |
| 55 | Ephemenantha macraei (syn. Desmotrichum fimbriatum) | Orchidaceae | Jiri | Root | 2036/37 |
| 56 | Didymocarpus aromaticus | Gesneriaceae | Paakhan bhitta | Whole plant | 2066/67 |

| | | | | | |
|---|---|---|---|---|---|
| 57 | Dioscorea bulbifera | Dioscoreaceae | Gittha | Tuber | 2069/70 |
| 58 | Dioscorea deltoidea * | Dioscoreaceae | Bhyakur | Rhizome | 2043/44, 2070/71 |
| 59 | Dioscorea hamiltonii | Dioscoreaceae | Ban tarul | Rhizome | 2070/71 |
| 60 | Dipsacus inermis | Dipsacaceae | Mulapaat | Root | 2064/65 |
| 61 | Dryopteris filix-mas | Dryopteridaceae | Unyu | Rhizome | 2034/35 |
| 62 | Elaeocarpus spharicus | Elaeocarpus | Rudraksya | Leaf | 2034/35 |
| 63 | Ephedra gerardiana | Ephedraceae | Somlata | Stem | 2030/31(Stem), 35/35(Stem), |
| 64 | Eupatorium sp | Compositae | Banmara | Root, leaf | 2031/32 |
| 65 | Euphorbia prostrata | Euphorbiaceae | Kanike ghaans | Stem,root | 2063/64 |
| 66 | Flemingia chappar | Leguminaceae | Bhatmas lahara | Whole plant | 2068/69 |
| 67 | Flemingia strobilifera | Leguminaceae | Bhat basee | Leaf | 2046/47 |
| 68 | Fritillaria cirrhosa | Liliaceae | Kakoli, Ban lasun | Root, Seed | 2036/37(Root), 46/47(Seed) |
| 69 | Gaultheria fragrantissima * | Ericaceae | Dhasingare | leaf | 2035/36 |
| 70 | Gaultheria fragrantissima * | Ericaceae | Dhasingare | Branch twig | 2070/71 |
| 71 | Gaultheria pyrolodes | Ericaceae | | Whole plant | 2069/70 |
| 72 | Gentiana depressa | Gentianaceae | | Whole plant | 2069/70 |
| 73 | Gentiana kurroo | Gentianaceae | Karu | Root | 2036/37 |
| 74 | Glycyrrhiza glabra | Leguminaceae | Jethimadhu | Root | 2036/37 |
| 75 | Gmelina arborea | Falacourtiaceae | Khamari | Bark | 2031/32 |
| 76 | Gonostegia hirta | Urticaceae | Chiple ghans | Root, stem, leaf | 2032/33, 2033/34 |
| 77 | Hedychium spicatum | Zingiberaceae | Pankha phul | Rhizome | 2065/66 |
| 78 | Hippophae salicifolia | Elaeaganaceae | Ashuk, Khurpu, seabuck thorn | | 2059/60 |
| 79 | Hippophae tibetana | Elaeaganaceae | Serke | | 2059/60 |
| 80 | Holarrhena antidysentrica | Apocynaceae | Indrajau | Root, leaf | 2033/34, 45/46 (Bark) |
| 81 | Hypericum cordifolium | Hypericaceae | Areli | flowers and leaves | 2070/71 |
| 82 | Ichnocarpus longifolius | Apocynaceae | | Flower | 2046/47 |
| 83 | Inula cappa | Compositae | Kanpate | Leaf | 2046/47 |
| 84 | Inula racemosa | Compositae | Puskar mul | Whole plant | 2067/68 |
| 85 | Iris nepalensis | Iridaceae | | Root | 2036/37 |

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|---|---|---|---|---|---|
| 86 | Jurinea macrocephala | Compositae | Dhup jadi | Stem | 2064/65 |
| 87 | Ligularia amplexicaulis | Compositae | | Root | 2031/32 |
| 88 | Lilium nepalensis | Liliaceae | Ban lasun, Khiraula | Root, leaf, bulb | 2032/33 |
| 89 | Lobelia pyramidalis | Campanulaceae | Eklevir | Root, stem, lef | 2032/33, |
| 90 | Lobelia pyramidalis | Campanulaceae | Eklevir | | 2064/65 |
| 91 | Leucas cephalotes | Labiatae | | leaf | 2046/47 |
| 92 | Lyonia ovalifolia | Ericaceae | Angeri | Branch twig | 2070/71 |
| 93 | Mallotus phillippinensis | Euphorbiaceae | Rohini, Sindure | leaf | 2033/34 |
| 94 | Mimosa pudica | Leguminaceae | Lajjawati jhar | leaf | 2046/47 |
| 95 | Moringa oleifera | Moringaceae | Sahijan | Leaves | 2070/71 |
| 96 | Morus sp. | Moraceae | Kimbu | Leaves | 2069/70 |
| 97 | Myrica nagi | Myricaceae | | Bark | 2033/34 |
| 98 | Myristica fragrans | Myristicaceae | Jai patri | Mack | 2046/47 |
| 99 | Nardostachys grandiflora * # | Valerianaceae | Jatamansi | Root | 2044/45, 63/64 |
| 100 | Neopicrorhiza scrophulariifolia *# | Scrophulariaceae | Kutki | Rhizome | 2035/36, 2063/64 |
| 101 | Operculina turpenthum | Convolvulaceae | Nisodh | Root | 2045/46 |
| 102 | Orchid | Orchidaceae | Sunakhari | Root | 2032/33 |
| 103 | Origanum majorana | Labiatae | Raam tulsi | Whole plant | 2065/66 |
| 104 | Oroxylum indicum | Bignoniaceae | Tatelo, Sabba | Bark | 2031/32 |
| 105 | Osbeckia stellata | Melastomataceae | Asare | Whole plant | 2064/65 |
| 106 | Osyris wightiana (syn. Osyris arborea) | Santalaceae | Nundhikee | Stem, leaf | 2030/31 |
| 107 | Oxytropis williamsii | Leguminaceae | | Whole plant | 2067/68 |
| 108 | Paris polyphylla | Liliaceae | Satuwa | Rhizome | 2065/66 |
| 109 | Phyllanthus emblica | Euphorbiaceae | Amala | Root | 2035/36 |
| 110 | Phyllanthus emblica * | Euphorbiaceae | Amala | Twig | 2066/67 |
| 111 | Pieris formosa | Ericaceae | Timaal | leaf | 2032/33 |
| 112 | Pieris formosa | Ericaceae | Timaal | flowering branch twig | 2070/71 |
| 113 | Piper longum | Piperaceae | Pipla | | 2062/63 |
| 114 | Piper longum *# | Piperaceae | Pipla | Root | 2035/36 |
| 115 | Polygonum milletae | Polygonaceae | | Rhizome | 2031/32 |
| 116 | Polypodium vulgare | Polypodiaceae | Bisphej | Rhizome | 2030/31 |

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|---|---|---|---|---|---|
| 117 | Potentilla fulgens | Rosaceae | Bhairumpati | Root | 2032/33 |
| 118 | Punica granatum | Punicaceae | Anar | Fruit ring | 2045/46 |
| 119 | Quercus lanata | Fagaceae | Banjh | Seed | 2068/69 |
| 120 | Quercus lanata | Fagaceae | Banjh | Branch twig | 2069/70 |
| 121 | Rauwolfia serpentina *# | Apocynaceae | Sarpagandha | Rhizome | 2063/64 |
| 122 | Reinwardtia indica (syn. Reinwardtia trigyna) | Linaceae | Pyaulee | Root, stem, leaf | 2030/31 |
| 123 | Rheum australe (Syn. Rheum emodi) * | Polygonaceae | Padamchal | Root | 2036/37, 45/46, 67/68 |
| 124 | Rhododendron anthopogon | Ericaceae | Sunpati | | 2059/60 |
| 125 | Rhododendron hodgsonii | Ericaceae | | Whole plant | 2067/68 |
| 126 | Rubia manjith (syn.Rubia cordifolia) | Rubiaceae | Majitho | Root, leaf, bark | 2033/34, 45/46(root) |
| 127 | Rubia manjith * | Rubiaceae | Majitho | Stem | 2065/66 |
| 128 | Rubus paniculatus | Rosaceae | Rukh aiselu | Twig | 2066/67 |
| 129 | Rudbeckia sp. | Asteraceae | Tao aloo | Tuber | 2069/70 |
| 130 | Rumex nepalensis | Polygonaceae | Hali | Root | 2032/33 |
| 131 | Sapindus mukorossi * | Sapandiceae | Rittha | fruit | 2034/35 |
| 132 | Satyrium nepalense | Orchidaceae | Thamni | Whole plant | 2066/67 |
| 133 | Schima wallichii | Theaceae | Chilaune | bark | 2034/35 |
| 134 | Scoparia dulcis | Scrophulariaceae | Patal misri | Root, stem, leaf | 2032/33; 33/34 |
| 135 | Selinum wallichianum | Umbelliferae | Bhutkesh | Twig | 2066/67 |
| 136 | Senecio laetus | Compositae | | Shoot | 2067/68 |
| 137 | Setereospermum tetragonum | Bignoniaceae | | Bark | 2046/47 |
| 138 | Stellaria media | Caryophyllaceae | Armale jhaar | Whole plant | 2065/66 |
| 139 | Stephania gracilenta | Menispermaceae | Biral gano | Tuber | 2068/69 |
| 140 | Strobilanthus | Acanthaceae | | Stem, leaf | 2032/33 |
| 141 | Swertia bimaculata | Gentianaceae | | Stem, leaf | 2063/64 |
| 142 | Swertia chirayita *# | Gentianaceae | Chiraito | Stem, leaf | 2030/31,2062/63, 63/64 |
| 143 | Symplocos paniculata | Symplocaceae | Logh | Bark | 2045/46 |
| 144 | Syzygium cumini | Myrtaceae | Jamun | Twig | 2066/67 |
| 145 | Tagetes minuta * | Compositae | Jungali sayapatri | Flowers and aerial part | 2069/70 |

| | | | | | |
|---|---|---|---|---|---|
| 146 | Taraxacum officinale | Compositae | Tuki phul | leaf | 2033/34 |
| 147 | Taraxacum officinale | Compositae | Tuki phul | Root | 2031/32 |
| 148 | Terminalia alata | Combretaceae | Asana | bark | 2070/71 |
| 149 | Terminalia belerica | Combretaceae | Barro | Root, leaf, fruit | 2033/34 |
| 150 | Terminalia chebula | Combretaceae | Harro | Root, leaf, fruit | 2033/34 |
| 151 | Thalictrum foliosum | Ranunculaceae | Dampate, Vansuli | Root | 2032/33 |
| 152 | Thymus vulgaris | Labiatae | | stem | 2045/46 (Stem), 65/66 |
| 153 | Tinospora cordifolia | Menispermaceae | Gurjo | Stem | 2045/46, 62/63 |
| 154 | Tinospora sinensis *# | Menispermaceae | Gurjo | Stem | 2063/64 |
| 155 | Tribulus terrestris | Zygophyllaceae | Gokhur | Cocci | 2046/47 |
| 156 | Trillidium govanianum | Liliaceae | Nakkali satuwa | Rhizome | 2069/70 |
| 157 | Urtica dioica | Urticaceae | Sisno | Leaf | 2064/65 |
| 158 | Valeriana jatamansii *# | Valerianaceae | Sughandhawal | Rhizome | 2065/66 |
| 159 | Verbascum thapsus | Scrophulariaceae | Ghanpuchchhre | Flowering twig, Whole plant | 2064/65, 2068/69 |
| 160 | Vetiveria zizanoides | Gramineae | Khas khas | Root | 2046/47 (Rhizome, root, stem), 35/36 |
| 161 | Withania somnifera | Solanaceae | Ashwagandha | Root | 2036/37 |
| 162 | Withania somnifera | Solanaceae | Ashwagandha | Aswagandha | 2064/65 |
| 163 | Woodfordia fruticosa | Lythraceae | Amar phul | Flower | 2045/46 |
| 164 | Zanthoxylum armatum *# | Rutaceae | Timur | Timur | 2064/65 |
| 165 | Zingiber officinale | Zingiberaceae | Aduwa | Rhizome | 2035/36 |
| 166 | Zizyphus mauritiana | Rhamnaceae | Bayar | Twig | 2066/67 |

* - Medicinal plants prioritized for research and development

# - Medicinal plants prioritized for agro-technology development

# Physico-chemical study of Essential Oils

| S.N | Name of plant species | Common name | Year | Locality | % of oil | Relative density/ specific gravity | Solubility | Acid value | Ester value | Ester value after etylation | Optical rotation | Refractive index | Colour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Cymbopogon flexuosus | Lemon grass | 2034-2o37 | | | 0.917 (25°c) | not soluble in 70% alcohol upto 20 ml | | | | - 3.73 (25°c) | 1.4915 (24°c) | |
| 2 | Zanthoxylum armatum | Timur | 2035/036 | | 1.6 - 5.5 | 0.8590 - 0.8735 (25°c) | 1 in 1.15 -1.7 in 80% alcohol | 0.840 - 1.436 | 17.95 - 34.96 | 189.5 - 223.67 | 6.02 - 7.32 (25°c) | 1.4678 - 1.4760 (20°c) | pale yellow |
| 3 | Mentha arvensis | Cornmint | 2034 - 2037 | Hetaunda | | 0.898 (24.5°c) | 1 in 2.97 - 7.65 ml of 70 % alcohol (24°c) | 1.411 | 20.31 | 237.05 | -37.36 (24.5°c) | 1.460 (24°c) | |
| 4 | Mentha piperata | Peppermint | 2034 - 2037 | | | 0.912 (24.5°c) | 1 in 1.5 - 2.3 ml of 80% alcohol (24°c) | 2.307 | 26.11 | 159.3 | 14.04 (25.5°c) | 1.4649 (26.8°c) | |
| 5 | Cymbopogon winterianus | Citronella | 2034 - 2037 | Hetaunda | | 0.872 (26°c) | 1 in 1.27 - 3.87 ml of 80% alcohol (26°c) | 1.56 | 25.02 | 239 | -2.150 (25.5°c) | 1.4611 (26.5°c) | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | Cymbopogon martinil | Palmarosa | 2034 - 2037 | Hetaunda | | 0.883 (26°c) | 1 in 1.6 - 5.45 ml of 70% alcohol | 2.216 | 26.36 | 277.55 | 0.13 (26°c) | 1.4741 (27°c) | |
| 7 | Gaultheria fragrantissima | Wintergreen | 2034 - 2037 | | | 1.164 (25°c) | 1 in 1.12 - 8 ml of 80% alcohol (30°c) | 1.762 | 302 | | 1.03 (24°c) | 1.5319 (24) | |
| 8 | Cinnamomum camphora | Camphor | 2034 - 2037 | | | 0.916 (17°c) | | 0.4089 | 4.178 | 31.06 | 34.42 (17°c) | 1.4766 (16°c) | |
| 9 | Cinnamomum glaucoscens(A) | Sugandhakokila | 2041 - 2042 | Koilabas, Nepalgunj (market) | 4.6 | 0.9344 (27°c) | 1 in 18 volume of 80% alcohol | 5.7 | 64.62 | 108.38 | - 14.556 | 1.442 (27°c) | light yellow |
| 10 | Cinnamomum glaucoscens(B) | Sugandhakokila | 2060/2061 | Kathmandu & Nepalgunj | 3.5 - 3.7 | 0.9988 | 1 in 1 ml of 90% alcohol | 141 | 35 | | 7.8 - 7.98 | 1.48 - 1.5 | |
| 11 | Eucalyptus camaldulensis | | 2042 - 2047 | | 1 | 0.8993 - 0.909 | 7 - 11 volume in 70% ethanol (20°c) | | | | (- )1.215 - (-12.3 | 1.460 - 1.472 | |
| 12 | Abies spectabilis(A) | Conifer | 2042 - 2047 | Rasuwa | 0.22 | 0.912 | 1:5 volume of 90% ethanol (20°c) | | | | (-)41.920 | 1.483 | |
| 13 | Abies spectabilis(B) | Conifer | 2042 - 2047 | Kalinchowk | 0.48 | 0.9073 | 1:5 volume of 90% ethanol (20°c) | | | | (-) 39.312 | 1.477 | |
| 14 | Acorus calamus | Bojho | 2060/2061 | Surkhet & Nepalgunj | 2 - 2.3 | 1.0039 - 1.0 | 1 ml in 5 ml of 80% alcohol | 22 - 24 | 7.0 - 9.0 | | 0.44 - 1.1 | 1.558 - 1.559 | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | Nardostachys grandiflora | Jatamansi | 2060 - 2062 | Jumla, Humla & Dolpa | 0.794 - 1.54 | 0.9648 - 0.9987(25 c) | 1 volume in 1.1- 6 volume of 85% ethanol(25 c) | 63.64 - 94.59 | 24.01 - 51.54 | 17.60 - 25.24 | (-)3.99 - 0.258 | 1.474 - 1.512 | light yellow/ brown/ greenish brown |
| 16 | Valeriana jatamansi | Sugandhawal | 2061/2062 | | 0.33 | 0.9510 (19°c) | | 52.2 | 22.52 | | 0 | 1.6230 (18°c) | light green |
| 17 | Syzyzium operculata | Kyamuna | 2062/2063 | Makwanpur | 0.25 | 0.8299 (17°c) | | 1.187 | 16.1 | | - 1.10 (19°c) | | pale yellow |
| 18 | Aegle marmelos | Bel | 2063/2064 | Ktm, Dharke & Sunsari | 0.59 - 1.7 | 0.8470 (28.5°c) | | 1.2 | 9.2 | | 82.067 (28°c) | | light green |
| 19 | Chenopodium ambrosioides | Rato latte | 2064/2065 | Kathmandu | 0.2 - 0.91 | 0.9257 (21°c) | | 4.7 | 6.2 | | 1.110 (20°c) | | yellow/ orange |
| 20 | Rhododendron anthopogon | Sunapati | 2065/2066 | | 2.3 | 0.8811 (29°c) | | 13.38 | 7.36 | | | | light brown |
| 21 | Juniperus communis | Dhoopi | 2065/2066 | | 1.9 | 0.8742 (29°c) | | 4.7 | 15.18 | | | | very light yellow |
| 22 | Hedyechium spicatum | Pankha fool | 2066/2067 | Phoolchowki, Ktm | 0.47 | 0.9316 | | 4.1 | 56.7 | | | | yellow |
| 23 | Ocimum basilicum | Ban tulasi | 2067/2068 | Banke | 1.8 | 0.949 (25°c) | | 1.00 max, KOH/gr | | | | 1.534 (25°c) | yellowish green tint |
| 24 | Tagetes minuta | Bansayapatri | 2068/2069 | Jumla | 1.8 | 0.5956 (25°c) | | | | | | 1.55 (25°c) | |

# Antidiabetic Study

| S.N. | Botanical Name | Local Name | Family | Parts used | Antidiabetic | | Year |
|---|---|---|---|---|---|---|---|
| | | | | | alcoholic ext. | Aqueous ext. | |
| 1 | Adiantum caudatum | मयुरा शिखा, अदशरिताकाभ्रारी | Pteridaceae | Leaves | 37.00% | 25.70% | 2034-37 |
| 2 | Aegle marmelos | वेल | Rutaceae | Fruit | 9.06% | 0.18% | 2037-42 |
| 3 | Allium wallichii kunth | वन लसुन | Liliaceae / Amaryllidaceae | fiber roots | 52.16% | 39.34% | 2065-66 |
| 4 | Aloe vera | घिउ कुमारी | Liliaceae | Leaf | 35.40% | 22.40% | 2037-42 |
| 5 | Alstonia scholaris | छतिवन | Apocynaceae | Bark | 34.96% | 29.05% | 2037-42 |
| 6 | Annona squamosa | सलिफा | Annonaceae | Fruit | 28.70% | 12.60% | 2037-42 |
| 7 | Asparagus racemosus willd | सतावरी /वन कुरिलो | Liliaceae | Tuber(Root) | 63.30% | 67.70% | 2034-37 |
| 8 | Centella asiatica | घोड ताप्रे | umbelliferae | All branch | 14.10% | 7.10% | 2034-37 |
| 9 | Cephalandra indica | भिम्वा, कन्दुरी, गोल काँकि | Cucurbitaceae | Fruit | 6.30% | 7.90% | 2037-42 |
| 10 | Cinnamomum tamala (Buch.- Ham.) | तेजपात, दालचिनी | Lauraceae | Leaves | 1.22% | 38.58% | 2067-68 |
| 11 | Curcuma longa | कालो हलेदो | Zingiberaceae | Tuber | 30.78% | 19.45% | 2037-42 |
| 12 | Ficus bengalensis | वर | Moraceae | Bark | 60.23% | 38.50% | 2037-42 |
| 13 | Helicteres isora | बिन्दु, जोन्काफल | Sterculiaceae | Root | 24.00% | 12.60% | 2037-42 |
| 14 | Herpetosperumum pedunculosum | मुरमुरे, कुरकुरे काँको | Cucurbitaceae | Fruit | 40% * | 23% * | 2062-63 |
| 15 | Jasminum officinale | लहरे जाई | Oleaceae | Flower | 38.30% | 15.75% | 2037-42 |
| 16 | Memordica charantia | करेला | Cucurbitaceae | Fruit | 27.00% | 41.30% | 2037-42 |
| 17 | Musa paradisiaca | केरा | Musaceae | Fruit | 14.17% | 4.00% | 2037-42 |
| 18 | Phyllanthus niruri | वाहि अमला | Euphorbiaceae | Root | 59.05% | 18.35% | 2037-42 |
| 19 | Pterocarpus marsupium Roxb . | विजयसाल | Leguminosae | Twing | 1.69% | 47.75% | 2063-64 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 20 | Scoparia dulcis | जेस्तीमदु | Scrophulariaceae | Stem | 59.00% | 45.70% | 2034-37 |
| 21 | Sunchus arvensis | दुधे धाँस झार, च्याखुरे झार | Compositae | all arial parts | 29.92% | 18.03% | 2037-42 |
| 22 | Swertia chirayita (Roxb.ex Flem .) | चिराइतो | Gentianaceae | all arial parts | 42.36% | 27.87% | 2066-67 |
| 23 | Syzygium cumini | जामुल | Myrtaceae | Fruit | 49.60% | 26.37% | 2037-42 |
| 24 | Tinospora Cardifolia (Wild) | गुर्जो | Menispermaceae | Tuber | 12.68% | 3.46% | 2037-42 |
| 25 | Urtica dioica | सिस्नु | Urticaceae | Leaves | 44.82% | 14.27% | 2064-65 |
| 26 | Vinca rosea | सदावाहार | Opocynaceae | Flower | 17.32% | 11.15% | 2037-42 |
| 27 | Neopicrorhiza scrophulariiflora | कुट्की | Scrophulariaceae | Rhizome | 31.00% | 10.00% | 2069-70 |
| 28 | Ceropegia pubescens Wallich | मिर्गि लहरा | ASCLEPIADACEAE | Bark | 36.00% | 3.00% | 2068-69 |
| 29 | Bitumen mineral | सेतो सिलाजित | | rock exude | 42.00% | | 2070-71 |



**[* very toxic]**

# Oil % in Essential Oil

| S.No. | Name of Plant | Local Names | Time of collection | Source | Oil %(w/v) | Reference |
|---|---|---|---|---|---|---|
| 1 | Mentha citrata(air dried) | | 031.4.6 | Brindavan (Herbal Farm) | 1.6 | Ann. Rep.030/031 |
| 2 | Citronella(W.P.,air dried) | | 031.6.10 | Brindavan (Herbal Farm) | 0.7 | Ann. Rep.030/031 |
| 3 | Palma rosa (air dried) | | 031.4.6 | Brindavan (Herbal Farm) | 1 | Ann. Rep.030/031 |
| 4 | Palma rosa (air dried) | | 031.6.10 | Brindavan (Herbal Farm) | 1.4 | Ann. Rep.030/031 |
| 5 | Lemon grass(T.C.N.Veriety) | | Jun.1978 | Hetauda(Herbal Farm) | 1.2 | Ann. Rep.035/036 |
| 6 | Lemon grass(Nagaland Veriety) | | Jun.1978 | Hetauda(Herbal Farm) | 1.75 | Ann. Rep.035/036 |
| 7 | Lemon grass(Local Veriety) | | Jun.1978 | Shivapuri(Herbal Farm) | 1.4 | Ann. Rep.035/036 |
| 8 | Lemon grass(Local Veriety) | | Jun.1978 | Hetauda(Herbal Farm) | 1.4 | Ann. Rep.035/036 |
| 9 | Citronella(Assam Veriety) | | Jun.1978 | Hetauda(Herbal Farm) | 2.6 | Ann. Rep.035/036 |
| 10 | Citronella(Saharanpur Veriety) | | Jun.1978 | Hetauda(Herbal Farm) | 3.2 | Ann. Rep.035/036 |
| 11 | Gingergrass | | Jun.1978 | Hetauda(Herbal Farm) | 2 | Ann. Rep.035/036 |
| 12 | Palma rosa | | Jun.1978 | Hetauda(Herbal Farm) | 1.6 | Ann. Rep.035/036 |
| 13 | Mentha piperita | | Jun.1978 | Hetauda(Herbal Farm) | 2 | Ann. Rep.035/036 |
| 14 | Mentha piperita | | Jun.1978 | Daman(Herbal Farm) | 1 | Ann. Rep.035/036 |
| 15 | Mentha piperita | | Jun.1978 | Shivapuri(Herbal Farm) | 1.3 | Ann. Rep.035/036 |
| 16 | Mentha arvensis | | Jun.1978 | Hetauda(Herbal Farm) | 2 | Ann. Rep.035/036 |
| 17 | Mentha spicata | | Jun.1978 | Hetauda(Herbal Farm) | 2.2 | Ann. Rep.035/036 |
| 18 | Aegle marmelos(leaf) | Bael | Jun.1978 | Pathlaiya | 1.75 | Ann. Rep.035/036 |

## Oil % in Essential Oil

| | | | | | | |
|---|---|---|---|---|---|---|
| 19 | Perilla frutescens(leaf) | Seelam | Jun.1978 | Hetauda | 1.6 | Ann. Rep.035/036 |
| 20 | Elsholtzia blanda(leaf) | | Jun.1978 | Shivapuri | 2 | Ann. Rep.035/036 |
| 21 | Litsea cubeba(leaf) | | Jun.1978 | Daman | 0.16 | Ann. Rep.035/036 |
| 22 | Eupatorium odobratum(leaf) | | Jun.1978 | Hetauda | 0.6 | Ann. Rep.035/036 |
| 23 | Eupatorium sps.(leaf) | Banmara | Jun.1978 | Shivapuri | 0.7 | Ann. Rep.035/036 |
| 24 | Eugenia sps.(leaf) | Kyamuna | Sept.1978 | Kalinchok | 1 | Ann. Rep.035/036 |
| 25 | Ocimum basilicum(W.P.) | Ban Tulsi | Jun.1978 | Hetauda | 0.2 | Ann. Rep.035/036 |
| 26 | Ocimum basilicum(W.P.) | Ban Tulsi | Jul.1978 | Tarahara | 1 | Ann. Rep.035/036 |
| 27 | Artimisia vulagris(leaf) | Titepati | Jun.1978 | Bhumithan | 1.5 | Ann. Rep.035/036 |
| 28 | Artimisia vulagris(leaf) | Titepati | Sept.1978 | Kalinchok | 1 | Ann. Rep.035/036 |
| 29 | Polygonum sps.(W.P.) | Pirpire | Jun.1978 | Shivapuri | 0.4 | Ann. Rep.035/036 |
| 30 | Pinus roxburghii(Pine needle) | Salla | Jun.1978 | Shivapuri | 0.8 | Ann. Rep.035/036 |
| 31 | Cinnamomum tamala(leaf) | Tejpat | | Dharan(local market) | 2 | Ann. Rep.035/036 |
| 32 | Tanacetum nubigenum(leaf) | Sunbuki | Sept.1978 | Kalinchok | 0.8 | Ann. Rep.035/036 |
| 33 | Juniperus recurva(leaf) | Dhoopi | Sept.1978 | Kalinchok | 1.7 | Ann. Rep.035/036 |
| 34 | Valeriana wallichi(rhizome) | Sugandha-wal | | Kathmandu market | 0.15 | Ann. Rep.035/036 |
| 35 | Vetiver zizanoides(roots) | Khuskhus | | Nepalgunj | 1.1 | Ann. Rep.035/036 |
| 36 | Zingiber officinalis(rhizome) | Aduwa | | Kathmandu market | 0.42 | Ann. Rep.035/036 |
| 37 | Acorus calamus(rhizome) | Bojho | Aug. | Jumla | 1.35 | Ann. Rep.037/038 |
| 38 | Ammomum subulatum(seed) | Alaichi | Jun. | Ilam market | 1.5-2 | Ann. Rep.037/038 |

## Oil % in Essential Oil

| | | | | | | |
|---|---|---|---|---|---|---|
| 39 | Artemisia indica(leaf) | Titepati | Jan. | Kathmandu | 1.79 | Ann. Rep.037/038 |
| 40 | Cinnamomum tamala(bark) | Dalchini | Jun. | Nepalgunj market | 0.1 | Ann. Rep.037/038 |
| 41 | Cinnamomum tamala(leaf) | Dalchini | Jun. | Nepalgunj market | 1.05 | Ann. Rep.037/038 |
| 42 | Gaultheria fragrantissima(aerial) | Patpate | Nov. | Godavari | 0.94 | Ann. Rep.037/038 |
| 43 | Juniperus indica(fruit) | Dhupi | Aug. | Jumla | 1.94 | Ann. Rep.037/038 |
| 44 | Micromeria biflora(aerial) | | May | HPPCL | 0.7 | Ann. Rep.037/038 |
| 45 | Pinus sps.(leaftop) | Salla | Jan. | Kathmandu | 0.19 | Ann. Rep.037/038 |
| 46 | Piper longum(fruit) | Pipla | Dec. | Ilam market | 0.71 | Ann. Rep.037/038 |
| 47 | Cinnamomum glaucoscens(fruit) | Sugandha-kokila | Jun. | Rolpa | 5.2 | Ann. Rep.037/038 |
| 48 | Cinnamomum glaucoscens(leaf) | Sugandha-kokila | Jun. | Rolpa | 1.05 | Ann. Rep.037/038 |
| 49 | Valeriana wallichi(rhizome) | Sugandha-wal | Jul. | Dharan(local market) | 0.8 | Ann. Rep.037/038 |
| 50 | Vetiveria zizanoides(rhizome) | Khuskhus | Jun. | HPPCL | 1.6 | Ann. Rep.037/038 |
| 51 | Artemisia indica(leaftop) | Titepati | Dec. | Ilam | 0.72 | Ann. Rep.038/039 |
| 52 | Artemisia indica(leaftop) | Titepati | Dec. | Jhapa | 0.77 | Ann. Rep.038/039 |
| 53 | Bauhinea propurea(leaftop) | Taki | Mar. | Godavari | 0.079 | Ann. Rep.038/039 |
| 54 | Curcuma domestica(rhizome) | Haledo | Dec. | Hetauda | 4.17 | Ann. Rep.038/039 |
| 55 | Elettaria cardamomum(seed) | Sukumel | Nov. | Kathmandu market | 2.04 | Ann. Rep.038/039 |
| 56 | Eupatorium glandulosum(aerial) | | Mar. | Godavari | 0.3 | Ann. Rep.038/039 |
| 57 | Foeniculum vulgare(seed) | Madise souf | Jul. | Kathmandu market | 1.54 | Ann. Rep.038/039 |
| 58 | Gaultheria fragrantissima(leaf) | Patpate | Dec. | Daman | 0.48 | Ann. Rep.038/039 |

## Oil % in Essential Oil

| | | | | | | |
|---|---|---|---|---|---|---|
| 59 | Juniperus indica(fruit) | Dhupi | Nov. | Jumla | 0.43 | Ann. Rep.038/039 |
| 60 | Lingularia silterica(aerial) | | Nov. | Khaptad | 3.75 | Ann. Rep.038/039 |
| 61 | Piper longum(fruit) | Pipala | Jul. | Pathlaiya | 0.2 | Ann. Rep.038/039 |
| 62 | Skimmia laureola(leaf) | Chumlani | Jun. | Khaptad | 0.8-1.6 | Ann. Rep.038/039 |
| 63 | Cinnamomum glaucoscens(fruit) | Sugandha-kokila | Jun. | Nepalgunj market | 4.36 | Ann. Rep.038/039 |
| 64 | Thymus erphyllum(aerial) | Dhoramar-cha | Aug. | Jumla | 1.16 | Ann. Rep.038/039 |
| 65 | Thymus vulgaris(aerial) | | Aug. | Jomsom | 0.48 | Ann. Rep.038/039 |
| 66 | Valeriana wallichi(rhizome) | Sugandha-wal | Jan. | Nepalgunj market | 0.13 | Ann. Rep.038/039 |
| 67 | Acorus calamus(rhizome) | Bojho | Jul. | Nepalgunj market | 0.9 | Ann. Rep.039/040 |
| 68 | Artemisia carvifolia(leaftop) | | Jun. | Mustang | 0.2 | Ann. Rep.039/040 |
| 69 | Artemisia siversiana(leaftop) | | Jun. | Mustang | 0.3 | Ann. Rep.039/040 |
| 70 | Artemisia vulgaris(leaftop) | Titepati | Jun. | Godavari | 0.18 | Ann. Rep.039/040 |
| 71 | Cinnamomum glaucoscens(leaf) | Sugandha-koila | Dec. | Rolpa | 2.1 | Ann. Rep.039/040 |
| 72 | Cinnamomum zeylanicum(bark) | Dalchini | Dec. | Koilabas | 0.1 | Ann. Rep.039/040 |
| 73 | Cuminum cyminum(seed) | Jeera | Jun. | Lamjung | 4.5 | Ann. Rep.039/040 |
| 74 | Cuminum cyminum,(Himali seed) | Jeera | Jun. | Mustang | 5.9 | Ann. Rep.039/040 |
| 75 | Eucalyptus sps.(leaf) | | Jun. | Godavari | 0.6 | Ann. Rep.039/040 |
| 76 | Pelargonium sps. (leaftop) | Geranium | Jun. | Godavari | 0.25 | Ann. Rep.039/040 |
| 77 | Heracleum nepelense(fruit) | | Jul. | Khaptad | 0.33 | Ann. Rep.039/040 |
| 78 | Laggera alateschultz(leaf) | | Jun. | Manang | 0.5 | Ann. Rep.039/040 |

## Oil % in Essential Oil

| | | | | | | |
|---|---|---|---|---|---|---|
| 79 | Nardostachys jatamansi(rhizome) | Jatamansi | Dec. | Nepalgunj | 0.32 | Ann. Rep.039/040 |
| 80 | Cinnamomum glaucoscens(fruit) | Sugandha-kokila | Dec. | Koilabas,market | 5.2 | Ann. Rep.039/040 |
| 81 | Vetiveria zizanoides(root) | Khuskhus | Jul. | Nepalgunj | 0.15 | Ann. Rep.039/040 |
| 82 | Xanthoxylum alatum(fruit) | | Oct. | Manichaur | 4.54 | Ann. Rep.039/040 |
| 83 | Zingiber officinalis(rhizome) | Aduwa | Dec. | Nepalgunj | 0.6 | Ann. Rep.039/040 |
| 84 | Abies spectabilis(leaftop) | Talis patra | Dec. | Kalinchok | 0.46 | Ann. Rep.040/041 |
| 85 | Abies spectabilis(leaftop) | Talis patra | Dec. | Rasuwa | 0.31 | Ann. Rep.040/041 |
| 86 | Acorus calamus(rhizome) | Bojho | Jun. | KTM.,market | 4 | Ann. Rep.040/041 |
| 87 | Chenopodium album(aerial) | Bethe | Feb. | Thapathali | trace | Ann. Rep.040/041 |
| 88 | Eupatorium glandulosum(leaftop) | | Dec. | Ilam | 0.31 | Ann. Rep.040/041 |
| 89 | Foeniculum vulgare(seed) | Madise souf | Dec. | KTM.,market | 0.832 | Ann. Rep.040/041 |
| 90 | Hibiscus abelmoschus(seed) | Musk dana | Dec. | Tarahara | 0.18 | Ann. Rep.040/041 |
| 91 | Juniperus recurva(fruit) | Dhupi | Jun. | Kathmandu | 1.37 | Ann. Rep.040/041 |
| 92 | Juniperus recurva(fruit) | Dhupi | Oct. | Rasuwa | 0.77 | Ann. Rep.040/041 |
| 93 | Lathyrus sps.(flower)-Pet.eth.extr. | | May | Thapathali | 0.15 | Ann. Rep.040/041 |
| 94 | Magnolia grandiflora(flower) | Rokh kamal | Mar. | Thapathali | 0.16 | Ann. Rep.040/041 |
| 95 | Pinus roxburghii(leaftop) | Khote salla | Feb. | Thapathali | 0.108 | Ann. Rep.040/041 |
| 96 | Rophanus sativus(seed) | Moola | Feb. | KTM.,market | 0.07 | Ann. Rep.040/041 |
| 97 | Cinnamomum glaucoscens(bark) | Sugandha-kokila | Apr. | Rolpa | 0.23 | Ann. Rep.040/041 |
| 98 | Cinnamomum glaucoscens(wood) | Sugandha-kokila | Apr. | Rolpa | 0.13 | Ann. Rep.040/041 |

## Oil % in Essential Oil

| | | | | | | |
|---|---|---|---|---|---|---|
| 99 | Tagetes glandulifera(aerial) | Sayapatri | Dec. | Patung | 3.3 | Ann. Rep.040/041 |
| 100 | Tagetes glandulifera(aerial) | Sayapatri | Dec. | Hetauda | 1.4 | Ann. Rep.040/041 |
| 101 | Tanacetum nubigenum(flo.top) | | Dec. | Manang | 0.18 | Ann. Rep.040/041 |
| 102 | Vetiveria zizanioides(root) | Khuskhus | Jan. | Thapathali | 0.2 | Ann. Rep.040/041 |
| 103 | Artemisia indica(leaftop) | Titepati | Dec. | Dhankuta | 0.89 | Ann. Rep.041/042 |
| 104 | Camellia kissi(seed) | Hinguwa | Apr. | Godavari | trace | Ann. Rep.041/042 |
| 105 | Cannabis sativa(aerial) | Ganja | Apr. | Godavari | 0.185 | Ann. Rep.041/042 |
| 106 | Costus specious(rhizome) | Kusta | Apr. | Godavari | 0.04 | Ann. Rep.041/042 |
| 107 | Cyperus rotundus(aerial) | Mothe | Mar. | KTM.,market | 0.086 | Ann. Rep.041/042 |
| 108 | Hedychium sps. (rhizome) | | Apr. | Godavari | 0.04 | Ann. Rep.041/042 |
| 109 | Houttuynia cordata(leaf) | Gane | Apr. | Godavari | 0.12 | Ann. Rep.041/042 |
| 110 | Juglans regia(leaf) | Okhar | Mar. | Godavari | 0.021 | Ann. Rep.041/042 |
| 111 | Larix himalaica(leaf) | | Sept. | Rasuwa | 0.75 | Ann. Rep.041/042 |
| 112 | Magnolia grandiflora(leaf) | Rokh kamal | Mar. | Godavari | 0.365 | Ann. Rep.041/042 |
| 113 | Melia azedarach(leaf) | Bakenu | Mar. | Godavari | trace | Ann. Rep.041/042 |
| 114 | Michelia sps.(leaf) | | Apr. | Godavari | 0.345 | Ann. Rep.041/042 |
| 115 | Nepeta sps.(aerial) | | Sept. | Muktinath | 0.389 | Ann. Rep.041/042 |
| 116 | Origanum vulgare(aerial) | Sajiwon | Apr. | Bhaktapur | 0.23 | Ann. Rep.041/042 |
| 117 | Origanum vulgare(aerial) | Sajiwon | Apr. | Maitidevi | 0.239 | Ann. Rep.041/042 |
| 118 | Osmanthus fragrans(flower) | Silang | Oct. | Pashupati | 0.56 | Ann. Rep.041/042 |

## Oil % in Essential Oil

| | | | | | | |
|---|---|---|---|---|---|---|
| 119 | Pinus wallichiana(leaftop) | Gobre salla | Dec. | Daman | 0.55 | Ann. Rep.041/042 |
| 120 | Pyrus pashia(leaf) | | Mar. | Godavari | 0.064 | Ann. Rep.041/042 |
| 121 | Salix sps.(arial) | | Mar. | Godavari | 0.185 | Ann. Rep.041/042 |
| 122 | Viola sps.(arial) | | Mar. | Godavari | 0.23 | Ann. Rep.041/042 |

| S.No. | Name of Plant | Source | Oil %(w/v) | Reference |
|---|---|---|---|---|
| 123 | Cannabis sativa(aerial) | Kagetey | 0.433 | Ann.Rep.042/043 |
| 124 | Chenopodium album(aerial) | Singhmai | 0.637 | Ann.Rep.042/043 |
| 125 | Clausena wildenowii.(leaf) | Dantakali,Dharan | 0.171 | Ann.Rep.042/043 |
| 126 | Dichrocephala lantifolia(leaf) | Nigalay | 0.012 | Ann.Rep.042/043 |
| 127 | Elasholtzia blanda(aerial) | Nigalay | 1.244 | Ann.Rep.042/043 |
| 128 | Eucalyptus sps.(leaf) | Pakhribas | 4.26 | Ann.Rep.042/043 |
| 129 | Eucalyptus sps.(leaf) | Nigalay | 1.8 | Ann.Rep.042/043 |
| 130 | Eupatorium adenophorum(aerial) | Kagty | 0.571 | Ann.Rep.042/043 |
| 131 | Eupatorium sps.(aerial) | Singhmai | 0.142 | Ann.Rep.042/043 |
| 132 | Grewia glabra(aerial) | Sikrini | 0.121 | Ann.Rep.042/043 |
| 133 | Lantana camera(aerial) | Dhankuta | 0.14 | Ann.Rep.042/043 |
| 134 | Legosptrum canum(aerial) | Maipokhari,Ilam | 0.149 | Ann.Rep.042/043 |
| 135 | Lindera neesiana(leaf) | Dhankuta | 4.208 | Ann.Rep.042/043 |
| 136 | Mentha arvensis(aerial) | Tamagadhi | 0.41 | Ann.Rep.042/043 |
| 137 | Murraya keonigii(aerial) | Hetauda | 0.428 | Ann.Rep.042/043 |
| 138 | Ocimum sps.(aerial) | Dantakali,Dharan | 0.36 | Ann.Rep.042/043 |
| 139 | Salvia sps.(aerial) | Dhankuta | 0.382 | Ann.Rep.042/043 |
| 140 | Sambucos sps(aerial) | Hilay,Dhankuta | 0.739 | Ann.Rep.042/043 |
| 141 | Vitex negundo (aerial) | Dhankuta | 0.2 | Ann.Rep.042/043 |
| 142 | Xanthoxylum armatum(leaf) | Dhankuta | 0.444 | Ann.Rep.042/043 |
| 143 | Agastache furgose(aerial) | Godavari | 2.71 | Ann.Rep.043/044 |
| 144 | Artemisia parviflora(aerial) | Sikrini | 0.2 | Ann.Rep.043/044 |
| 145 | Cymbopogon citratus(aerial) | Godavari | 2.02 | Ann.Rep.043/044 |
| 146 | Cymbopogon flexuosus(aerial) | Godavari | 0.597 | Ann.Rep.043/044 |
| 147 | Cymbopogon martini(aerial) | Godavari | 1.088 | Ann.Rep.043/044 |

## Oil % in Essential Oil

| | | | | |
|---|---|---|---|---|
| 148 | Cymbopogon winterianus(leaf) | Godavari | 2.561 | Ann.Rep.043/044 |
| 149 | Eucalyptus camaldulensis(leaf) | Sagarnath | 4.24 | Ann.Rep.043/044 |
| 150 | Mangifera indica(leaf) | Tarahara | 0.052 | Ann.Rep.043/044 |
| 151 | Mentha arvensis(aerial) | Tarahara | 0.527 | Ann.Rep.043/044 |
| 152 | Mentha arvensis(aerial) | Godavari | 0.56 | Ann.Rep.043/044 |
| 153 | Mentha piperita(aerial) | Manichud | 0.421 | Ann.Rep.043/044 |
| 154 | Mentha spicate(aerial) | Godavari | trace | Ann.Rep.043/044 |
| 155 | Ocimum basilicum(aerial) | Godavari | 0.88 | Ann.Rep.043/044 |
| 156 | Ocimum basilicum(aerial) | Sikrini | 0.2 | Ann.Rep.043/044 |
| 157 | Ocimum kilimands charium(aerial) | Godavari | 5.77 | Ann.Rep.043/044 |
| 158 | Pelargonium sps.(leaf) | Godavari | 0.488 | Ann.Rep.043/044 |
| 159 | Rosmarinus sps.(aerial) | Godavari | 2.327 | Ann.Rep.043/044 |
| 160 | Tagetes glandulifera(aerial) | Godavari | 0.805 | Ann.Rep.043/044 |
| 161 | Tagetes glandulifera(aerial) | Tistung | 1.175 | Ann.Rep.043/044 |
| 162 | Xanthoxylum armatum(fruit) | HPPCL | 4.65 | Ann.Rep.043/044 |
| 163 | Abies spectabilis(leaftop) | Ghodatabela | 0.54 | Ann.Rep.044/045 |
| 164 | Anisomeles indica(aerial) | Haripur | trace | Ann.Rep.044/045 |
| 165 | Cotoneaster microphylla(aerial) | Kanhing gumba | trace | Ann.Rep.044/045 |
| 166 | Eucalyptus camaldulensis(leaf) | Sagarnath | 4.24 | Ann.Rep.044/045 |
| 167 | Eupatorium adenophorum(aerial) | Manakamana | 0.4 | Ann.Rep.044/045 |
| 168 | Eupatorium odoratum(aerial) | Tarahara | 0.18 | Ann.Rep.044/045 |
| 169 | Eucalyptus cirtiodora(leaf) | Sagarnath | 4.42 | Ann.Rep.044/045 |
| 170 | Gaultheria fragrantissima(aerial) | Daman | 0.41 | Ann.Rep.044/045 |
| 171 | Hyptis suaveolens(aerial) | Vrindavan | 0.51 | Ann.Rep.044/045 |
| 172 | Inula cappa(flower) | Dhunchey | 0.23 | Ann.Rep.044/045 |
| 173 | Juniperus recurva(fruit) | Kanjing gumba | 1.27 | Ann.Rep.044/045 |
| 174 | Mentha piperita(aerial) | Daman | 0.27 | Ann.Rep.044/045 |
| 175 | Murraya keonigii(leaf) | Duikhola | 0.89 | Ann.Rep.044/045 |
| 176 | Ocimum gratissimum(aerial) | Dang | 0.48 | Ann.Rep.044/045 |
| 177 | Rabdosia coetsa(aerial) | Lama hotel | trace | Ann.Rep.044/045 |
| 178 | Senecio densiflorus(aerial) | Langtang | 0.33 | Ann.Rep.044/045 |
| 179 | Cinnamomum glaucoscense(leaf) | Dang | 2.12 | Ann.Rep.044/045 |
| 180 | Valeriana wallichi(root) | Daman | 0.43 | Ann.Rep.044/045 |
| 181 | Xanthoxylum armatum(fruit) | Ghartigao,Rolpa | 6.85 | Ann.Rep.044/045 |

## Oil % in Essential Oil

| | | | | |
|---|---|---|---|---|
| 182 | Xanthoxylum armatum(fruit) | Sat dobato,Rolpa | 5 | Ann.Rep.044/045 |
| 183 | Rabdosia regosvs(aerial) | Kalopani | 0.69 | Ann.Rep.045/046 |
| 184 | Dendrantheama nebigenum(aerial) | Kalopani | 0.115 | Ann.Rep.045/046 |
| 185 | Pogostemon benghalensis(aerial) | Raksirang(400m) | 0.66 | Ann.Rep.045/046 |
| 186 | Tagetes minuta(aerial) | Vrindavan | 0.7 | Ann.Rep.045/046 |
| 187 | Rhododendron anthopogon(leaftop) | Everest | 1.02 | Ann.Rep.045/046 |
| 189 | Rhododendron centosum(leaftop) | Everest | 2.05 | Ann.Rep.045/046 |
| 190 | Rhododendron nivale(leaftop) | Everest | 0.83 | Ann.Rep.045/046 |
| 191 | Rhododendron lepidotum(leaf) | China border(north to Gorkha) | 0.75 | Ann.Rep.045/046 |
| 192 | Aegle marmelos(leaf) | Makawanpur | 1.24 | Ann.Rep.045/046 |
| 193 | Artemisia carvifolia(aerial) | Makawanpur | nil | Ann.Rep.045/046 |
| 194 | Blumea lacera(aerial) | Makawanpur | 0.24 | Ann.Rep.045/046 |
| 195 | Clinopodium umbrosum(leaftop) | Vrindavan | trace | Ann.Rep.045/046 |
| 196 | Elsholtzia fruticosa(leaf) | Everest | 1.35 | Ann.Rep.045/046 |
| 197 | Nepeta leucophylla(aerial) | Everest | 0.94 | Ann.Rep.045/046 |
| 198 | Prunella vulgaries(aerial) | Tukuche(way to Jomsom) | 0.16 | Ann.Rep.045/046 |
| 199 | Picca sumithianna(leaftop) | China border(north to Gorkha) | 0.28 | Ann.Rep.045/046 |
| 200 | Thalictrum cultratum(aerial) | China border(north to Gorkha) | 0.43 | Ann.Rep.045/046 |
| 201 | Trachyspermum ammy(seed) | from hills | 3.97 | Ann.Rep.045/046 |
| 202 | Pimpinella anisum(seed) | Gorkha | 2.67 | Ann.Rep.045/046 |
| 203 | Aster albescens(aerial) | Rasuwa | 0.379 | Ann.Rep.046/047 |
| 204 | Salvia coccinia(aerial) | Rasuwa | 0.29 | Ann.Rep.046/047 |
| 205 | Colebrookia oppositifolia(aerial) | Rasuwa | 0.485 | Ann.Rep.046/047 |
| 206 | Anisomeles indica(leaf) | Nirmal Pokhari | 0.67 | Ann.Rep.046/047 |
| 207 | Cyathocline purpurea(leaf) | Samidada | 0.98 | Ann.Rep.046/047 |
| 208 | Salmalia malabarica | | 0.22 | Ann.Rep.046/047 |
| 209 | Bergenia ligulata | | 0.09 | Ann.Rep.046/047 |
| 210 | Rubia cordifolia | | 0.34 | Ann.Rep.046/047 |
| 211 | Gardenia jasminoide(flower) | Kathmandu | 0.74 | Ann.Rep.046/047 |
| 212 | Murraya paniculata(flower) | Kathmandu | 0.74 | Ann.Rep.046/047 |
| 213 | Hedychium spicatum(flower) | Kathmandu | 0.312 | Ann.Rep.046/047 |

| | | | | |
|---|---|---|---|---|
| 214 | Vitex negundo (aerial) | Trisuli | 0.19 | Ann.Rep.046/047 |
| 215 | Plectanthus mollis(aerial) | Pokhara | 1.8 | Ann.Rep.046/047 |
| 216 | Perilla frutescens(aerial) | Pokhara | 1.24 | Ann.Rep.046/047 |
| 217 | Murraya exotica(aerial) | Rasuwa | trace | Ann.Rep.046/047 |
| 218 | Tamo(aerial) | Brega | 1.29 | Ann.Rep.046/047 |
| | | | | |
| | **Name of Plant** | **Oil %(w/v)** | **Reference** | |
| 219 | Large Cardamom | 0.55(fresh) | Ann.Rep.058/059 | |
| 220 | Large Cardamom | 0.35(dry) | Ann.Rep.058/059 | |
| 221 | Valeriana wallichii | 0.1 | Ann.Rep.058/059 | |
| 223 | Menth sp. | 0.15 | Ann.Rep.058/059 | |
| 224 | Juniperus indica | 1.4 | Ann.Rep.058/059 | |
| 225 | Origanum vulgare | 1.55 | Ann.Rep.058/059 | |
| 226 | Elsholtzia fruticosa | 0.75 | Ann.Rep.058/059 | |
| 227 | Chenopodium sp. | 0.66 | Ann.Rep.058/059 | |
| 228 | Salvia hians | 0.15 | Ann.Rep.058/059 | |
| 229 | Cymbopogon sp. | 0.2 | Ann.Rep.058/059 | |
| 230 | Rhododendron lepidotum | 1.5 | Ann.Rep.058/059 | |
| 231 | Elsholtzia flava | 1.5 | Ann.Rep.058/059 | |
| 232 | Thymus serpyllum | 1.42 | Ann.Rep.058/059 | |
| 233 | Mentha citrata | 1.5 | Ann.Rep.058/059 | |
| 234 | Mentha spicata | 1.4 | Ann.Rep.058/059 | |
| 235 | Origanum sp. | 1.23 | Ann.Rep.058/059 | |
| 236 | Gaultheria fragrantissima | 0.2 | Ann.Rep.058/059 | |
| 237 | Mentha spicata | no oil | Ann.Rep.058/059 | |
| 238 | Mentha citrata | 0.28 | Ann.Rep.058/059 | |
| 239 | Mentha piperata | 0.16 | Ann.Rep.058/059 | |
| 240 | Mentha spicata | 0.13 | Ann.Rep.058/059 | |
| 241 | Gaultheria fragrantissima | 0.25 | Ann.Rep.058/059 | |
| 242 | Valeriana wallichii | 0.3 | Ann.Rep.058/059 | |
| 243 | Cymbopogon flexuosus | 0.5 | Ann.Rep.058/059 | |
| 244 | Cinnamomum glaucescens(leaf) | 0.15 | Ann.Rep.058/059 | |
| 245 | Gaultheria fragrantissima | 0.3 | Ann.Rep.058/059 | |
| 246 | Cinnamomum glaucescens | 4 | Ann.Rep.058/059 | |
| 247 | Nardostachys jatamansi | 1.85 | Ann.Rep.059/060 | |

## Oil % in Essential Oil

| | | | | |
|---|---|---|---|---|
| 248 | Xanthoxylum armatum | 3.7 | Ann.Rep.059/060 | |
| 249 | Rosemary | 1.52 | Office | Ann.Rep.063/064 |
| 250 | Jatamansi | 2.33 | B.Das | Ann.Rep.063/064 |
| 251 | Chenopodium ambrosoides | 0.93 | Official | Ann.Rep.063/064 |
| 252 | Camuna | 0.2 | Brindavan Udhyan,Makwanpur | Ann.Rep.063/064 |
| 253 | Jamuna | 0.07 | Brindavan Udhyan,Makwanpur | Ann.Rep.063/064 |
| 254 | Sugandhakokila | 2.2 | Tistung | Ann.Rep.063/064 |
| 255 | Turmeric | 2.3 | Public | Ann.Rep.063/064 |
| 256 | Carrot seed | 0.3 | Public | Ann.Rep.063/064 |
| 257 | Tejpat | 0.7 | Brindavan Udhyan,Makwanpur | Ann.Rep.063/064 |
| 258 | Thyme | 1.6 | Khaptad Aroma Pvt. Ltd. | Ann.Rep.063/064 |
| 259 | Ginger | 0.2 | Khaptad Aroma Pvt. Ltd. | Ann.Rep.063/064 |
| 260 | Timur | 9.1 | DPRO,Salyan | Ann.Rep.063/064 |
| 261 | Tagetas | 1.5 | Tistung | Ann.Rep.063/064 |
| 262 | Coriander | 0.33 | Reference Development | Ann.Rep.063/064 |
| 263 | Ajowain | 4.8 | Reference Development | Ann.Rep.063/064 |
| 264 | Turmeric | 1.5 | Reference Development | Ann.Rep.063/064 |
| 265 | Tejpat | 1.7 | Bajhang | Ann.Rep.063/064 |
| 266 | Timur | 7.2 | Bajhang | Ann.Rep.063/064 |
| 267 | Sahajira | 0.4 | Reference Development | Ann.Rep.063/064 |
| 268 | Mungrel | 0.25 | Reference Development | Ann.Rep.063/064 |
| 269 | Black pepper | 0.67 | Reference Development | Ann.Rep.063/064 |
| 270 | Large Cardamom | 4.6 | Reference Development | Ann.Rep.063/064 |
| 271 | Chammomile | 0.8 | Public | Ann.Rep.063/064 |
| 272 | Nagarmothe | 0.4 | Public | Ann.Rep.063/064 |
| 273 | Neem | 0.2 | Official | Ann.Rep.063/064 |

## Oil % in Essential Oil

| S.No. | Name of Plant | Local Names | Source | Oil %(w/v) | Reference |
|---|---|---|---|---|---|
| 274 | Chenopodium ambrosioides(fresh leaf) | Rato latte | Kathmandu | 0.2-0.6 | Ann.Rep.064/065 |
| 275 | Chenopodium ambrosioides(fresh leaf) | Rato latte | Nawalparasi | 0.91 | Ann.Rep.064/065 |
| 276 | Rhododendron antho-pogon | Sunapati | | 2.3 | Ann.Rep.065/066 |
| 277 | Juniperus mommunis | Dhupi | | 1.9 | Ann.Rep.065/066 |
| 278 | Cinnamomum glaucoscens(leaf) | Sugandhakokila | Thapathali | 2.3 | Ann.Rep.065/066 |
| 279 | Hedychium sps.(rhizome) | | Ilam | 0.39 | Ann.Rep.065/066 |
| 280 | Ghodtapre(aerial) | | Chitwan | 0.23 | Ann.Rep.065/066 |
| 281 | Paarijat(flower) | | Jaulakhel | 0.03 | Ann.Rep.065/066 |
| 282 | Zanthoxylum armatum(fruit) | Timur | Market | 3.1 | Ann.Rep.065/066 |
| 283 | Perilla frutescens(aerial) | Silaam | | 0.024 | Ann.Rep.065/066 |
| 284 | Valeriana wallichi(rhizome) | Sugandhawal | | 0.25 | Ann.Rep.065/066 |
| 285 | Cinnamomum glaucoscens(fruit) | Sugandhakokila | | 5.5 | Ann.Rep.065/066 |
| 286 | Perilla frutescens(aerial) | Silaam | Kirtipu | 0.16 | Ann.Rep.065/066 |
| 287 | Camphor(leaf) | | | 3.1 | Ann.Rep.065/066 |
| 288 | Valeriana wallichi(rhizome,marc) | Sugandhawal | Nepalgunj | 0.16 | Ann.Rep.065/066 |
| 289 | Valeriana wallichi(rhizome,fresh) | Sugandhawal | Nepalgunj | 0.25 | Ann.Rep.065/066 |
| 290 | Valeriana wallichi(rhizome,dry) | Sugandhawal | Nepalgunj | 0.27 | Ann.Rep.065/066 |
| 291 | Cinnamomum glaucoscens(fruit,marc) | Sugandhakokila | Bahuvali herbal,Nepalgunj | 1.75 | Ann.Rep.065/066 |
| 292 | Valeriana wallichi(rhizome,cultivated) | Sugandhawal | Hetauda | 0.43 | Ann.Rep.065/066 |
| 293 | Geranium sps.(leaf) | | Bhaktapur | 0.5 | Ann.Rep.065/066 |
| 294 | Jasminum sps.(flower) | | Thapathali | 0.02 | Ann.Rep.065/066 |
| 295 | Pinus sps.(needles) | | Manichur | 0.4 | Ann.Rep.065/066 |
| 296 | Michelia sps.(leaf) | | Godawari | 0.15 | Ann.Rep.065/066 |
| 297 | Mentha iperata(aerial) | Peppermint | Phulchoki | 0.13 | Ann.Rep.065/066 |
| 298 | Chaamp(fruit) | | Phulchoki | 1.14 | Ann.Rep.065/066 |
| 299 | Zanthoxylum sps(fruit) | | Solukhumbu | 7.8 | Ann.Rep.065/066 |

## Oil % in Essential Oil

| | | | | | |
|---|---|---|---|---|---|
| 300 | Chammomile(flower) | | HPPCL | 0.32 | Ann.Rep.065/066 |
| 301 | Khanakpa(leaf) | | Ilam | 0.45 | Ann.Rep.065/066 |
| 302 | Hedyechium spicatum(rhizome) | Pankha phool | Kathmandu | 0.47 | Ann.Rep.066/067 |
| 303 | Ocimum basilicum(aerial) | Ban tulasi | Nepalgunj | 1.8 | Ann.Rep.067/068 |
| 304 | Tagetes minuta(flower) | Ban sayapatri | Jumla | 1.8 | Ann.Rep.068/069 |
| 305 | Tagetes minuta(flower) | Ban sayapatri | | 1.4 | Ann.Rep.069/070 |

# Pharmacology Section A (030-047)

| 1) Action on isolated heart of frog in situ | | | | |
|---|---|---|---|---|
| **S.N.** | **Descriptions** | **Solvent** | **Observation** | **Reference** |
| 1 | Solanum xanthocarpum | Ethanol | Increase in doses,decrease the amplitude of heart beat to finally stopping. | Ann.Rep.030/031 |
| 2 | Solanum xanthocarpum | Aquous | ,, | Ann.Rep.030/031 |
| 3 | Paris polyphylla | Aquous | ,, | Ann.Rep.030/031 |
| 4 | Reinwardtia | Aquous | ,, | Ann.Rep.030/031 |
| 5 | Zanthoxylum | Aquous | ,, | Ann.Rep.030/031 |
| 6 | Litsea citrata | Aquous | ,, | Ann.Rep.030/031 |
| 7 | Calanthe | Aquous | ,, | Ann.Rep.030/031 |
| 8 | Calanthe | Ethanol | ,, | Ann.Rep.030/031 |
| 9 | Parnassia nubicola | Aquous | ,, | Ann.Rep.030/031 |

| 2) Action on an isolated ileum of a rabbit | | | | |
|---|---|---|---|---|
| **S.N.** | **Descriptions** | **Contraction** | **Relaxation** | **Reference** |
| 1 | Dioscorea sp. | absent | absent | Ann.Rep.030/031 |
| 2 | Solanum sp. | present | absent | Ann.Rep.030/031 |
| 3 | Capscicum | absent | absent | Ann.Rep.030/031 |
| 4 | Zanthoxylum alatum | present | absent | Ann.Rep.030/031 |

| 3) Action on an isolated ileum of rat- (a) | | | | | |
|---|---|---|---|---|---|
| **S.N.** | **Descriptions** | **Extract** | **Contraction** | **Relaxation** | **Reference** |
| 1 | Calanthe(leaf) | Water extract (1:10) | absent | absent | Ann.Rep.031/032 |
| 2 | Berberis(bark) | Alcoholic extract suspended in water(1:5) | slightly present | absent | Ann.Rep.031/032 |
| 3 | Berberis(bark) | Water extract(1:10) | slightly present | absent | Ann.Rep.031/032 |
| 4 | Litsea citrata | Alcoholic extract suspended in water(1:10) | absent | absent | Ann.Rep.031/032 |
| 5 | Litsea citrata | Water extract(1:6) | absent | absent | Ann.Rep.031/032 |
| 6 | Bennicasa hispida(fruit) | Water extract | slightly present | absent | Ann.Rep.031/032 |

| | | | | | |
|---|---|---|---|---|---|
| 7 | Bennicasa hispida(seed) | Water extract | absent | absent | Ann.Rep.031/032 |
| 8 | Bennicasa hispida(fruit) | Alcoholic extract suspended in water | slightly present | absent | Ann.Rep.031/032 |
| 9 | Bennicasa hispida(seed) | Alcoholic extract suspended in water | absent | absent | Ann.Rep.031/032 |
| 10 | Heracleum wallichii(root) | Alcoholic extract suspended in water | absent | absent | Ann.Rep.031/032 |
| 11 | Eupatorium japonicum | Water extract | slightly present | absent | Ann.Rep.031/032 |
| 12 | Eupatorium japonicum | Alcoholic extract suspended in water | slightly present | absent | Ann.Rep.031/032 |
| 13 | Neolitsea umbrosa | Water extract | present | absent | Ann.Rep.031/032 |
| 14 | Centella asiatica(WP) | Water extract | slightly present | absent | Ann.Rep.031/032 |

| **Action on an isolated ileum of rat- (b)** | | | | |
|---|---|---|---|---|
| **S.N.** | **Descriptions** | **Extract** | **Observation** | **Reference** |
| 1 | Lillium nepalense (flower) | Alcoholic | spasmolytic to Acetylcholin induced spasm | Ann.Rep.032/033 |
| 2 | Thalictrum (root) | Alcoholic | spasmolytic to Acetylcholin induced spasm | Ann.Rep.032/033 |
| 3 | Thalictrum (root) | Ether | spasmolytic to Acetylcholin induced spasm | Ann.Rep.032/033 |
| 4 | Thalictrum (root) | Petrolium ether | no effect | Ann.Rep.032/033 |
| 5 | Thalictrum (root) | Water | no effect | Ann.Rep.032/033 |
| 6 | Gonostegia hirta (root) | Alcoholic | spasmolytic to Acetylcholin induced spasm | Ann.Rep.032/033 |
| 7 | Gonostegia hirta (root) | Ether | spasmolytic to Acetylcholin induced spasm | Ann.Rep.032/033 |
| 8 | Gonostegia hirta (root) | Petrolium ether | no effect | Ann.Rep.032/033 |
| 9 | Pieris formosa (bulb) | Petrolium ether | spasmolytic to Acetylcholin induced spasm | Ann.Rep.032/033 |
| 10 | Pieris formosa (leaf) | Ether | spasmolytic to Acetylcholin induced spasm | Ann.Rep.032/033 |

| | | | | |
|---|---|---|---|---|
| 11 | Pieris formosa (leaf) | Alcoholic | spasmolytic to Acetylcholin induced spasm | Ann.Rep.032/033 |
| 12 | Pieris formosa (leaf) | Water | no effect | Ann.Rep.032/033 |
| 13 | Arisaema tortuosa (bulb) | Petrolium ether | no effect | Ann.Rep.032/033 |
| 14 | Arisaema tortuosa (bulb) | Chloroform | slightly spasmolytic to Acetylcholin | Ann.Rep.032/033 |
| 15 | Arisaema tortuosa (bulb) | Alcoholic | slightly spasmolytic to Acetylcholin | Ann.Rep.032/033 |
| 16 | Calanthe(leaf) | Petrolium ether | spasmolytic to Acetylcholin induced spasm | Ann.Rep.032/033 |
| 17 | Calanthe(leaf) | Alcoholic | spasmolytic to Acetylcholin induced spasm | Ann.Rep.032/033 |
| 18 | Calanthe(leaf) | Water | no effect | Ann.Rep.032/033 |
| 19 | Calanthe(leaf) | Ether | no effect | Ann.Rep.032/033 |
| 20 | Calanthe(root) | Petrolium ether | slightly spasmolytic to Acetylcholin | Ann.Rep.032/033 |
| 21 | Calanthe(root) | Alcoholic | no effect | Ann.Rep.032/033 |
| 22 | Calanthe(root) | Ether | no effect | Ann.Rep.032/033 |
| 23 | Calanthe(root) | Water | no effect | Ann.Rep.032/033 |
| 24 | Heracleum wallichii(root) | Petrolium ether | spasmolytic to Acetylcholin induced spasm | Ann.Rep.032/033 |
| 25 | Heracleum wallichii(root) | Ether | spasmolytic to Acetylcholin induced spasm | Ann.Rep.032/033 |
| 26 | Heracleum wallichii(root) | Alcoholic | spasmolytic to Acetylcholin induced spasm | Ann.Rep.032/033 |
| 27 | Heracleum wallichii(root) | Water | no effect | Ann.Rep.032/033 |
| 28 | Centella asiatica(WP) | Water | no effect | Ann.Rep.032/033 |
| 29 | Centella asiatica(WP) | Alcoholic | slightly spasmolytic to Acetylcholin | Ann.Rep.032/033 |
| 30 | Centella asiatica(WP) | Petrolium ether | slightly spasmolytic to Acetylcholin | Ann.Rep.032/033 |
| 31 | Centella asiatica(WP) | Ether | slightly spasmolytic to Acetylcholin | Ann.Rep.032/033 |
| 32 | Strobilanthus sp.(stem) | Alcoholic | spasmolytic to Acetylcholin induced spasm | Ann.Rep.033/034 |
| 33 | Strobilanthus sp.(stem) | Petrolium ether | spasmolytic to Acetylcholin induced spasm | Ann.Rep.033/034 |
| 34 | Strobilanthus sp.(stem) | Ether | no effect | Ann.Rep.033/034 |
| 35 | Strobilanthus sp.(stem) | Water | no effect | Ann.Rep.033/034 |
| 36 | Strobilanthus sp.(leaf) | Alcoholic | slightly spasmolytic to Acetylcholin | Ann.Rep.033/034 |
| 37 | Strobilanthus sp.(leaf) | Water | potentiation of activity of acetyl-choline | Ann.Rep.033/034 |

| | | | | |
|---|---|---|---|---|
| 38 | Strobilanthus sp.(leaf) | Ether | spasmolytic to Acetylcholin induced spasm | Ann.Rep.033/034 |
| 39 | Hollarhiana antidysentrica(bark) | Water | spasmolytic to Acetylcholin induced spasm | Ann.Rep.033/034 |
| 40 | Hollarhiana antidysentrica(bark) | Alcoholic | spasmolytic to Acetylcholin induced spasm | Ann.Rep.033/034 |
| 41 | Hollarhiana antidysentrica(bark) | Petrolium ether | spasmolytic to Acetylcholin induced spasm | Ann.Rep.033/034 |
| 42 | Terminalia belerica (fruit) | Alcoholic | spasmolytic to Acetylcholin induced spasm | Ann.Rep.033/034 |
| 43 | Terminalia belerica (fruit) | Petrolium ether | spasmolytic to Acetylcholin induced spasm | Ann.Rep.033/034 |
| 44 | Terminalia belerica (fruit) | Ether | spasmolytic to Acetylcholin induced spasm | Ann.Rep.033/034 |
| 45 | Terminalia belerica (fruit) | Water | no effect | Ann.Rep.033/034 |
| 46 | Terminalia chebula (fruit) | Alcoholic | no effect | Ann.Rep.033/034 |
| 47 | Terminalia chebula (fruit) | Petrolium ether | no effect | Ann.Rep.033/034 |
| 48 | Terminalia chebula (fruit) | Ether | no effect | Ann.Rep.033/034 |
| 49 | Terminalia chebula (fruit) | Water | slightly spasmolytic to Acetylcholin | Ann.Rep.033/034 |
| 50 | Scoparia dulcis (WP) | Alcoholic | slightly spasmolytic to Acetylcholin | Ann.Rep.033/034 |
| 51 | Scoparia dulcis (WP) | Petrolium ether | no effect | Ann.Rep.033/034 |
| 52 | Scoparia dulcis (WP) | Water | no effect | Ann.Rep.033/034 |
| 53 | Scoparia dulcis (WP) | Ether | no effect | Ann.Rep.033/034 |
| 54 | Picrorhiza scrophularia(WP) | Alcoholic | spasmolytic to Acetylcholin induced spasm | Ann.Rep.033/034 |
| 55 | Picrorhiza scrophularia(WP) | Petrolium ether | spasmolytic to Acetylcholin induced spasm | Ann.Rep.033/034 |
| 56 | Picrorhiza scrophularia(WP) | Ether | spasmolytic to Acetylcholin induced spasm | Ann.Rep.033/034 |
| 57 | Picrorhiza scrophularia(WP) | Water | no effect | Ann.Rep.033/034 |
| 58 | Sarcococca coriacea (WP) | Alcoholic | spasmolytic to Acetylcholin induced spasm | Ann.Rep.033/034 |
| 59 | Allium sativum (bulb) | 50%Ethanol-4mg/ml(cold extract) | antagonised the contractile effect of Acetylcholin | Ann.Rep.036/037 |
| 60 | Momordica charantia (WP) | 50%Ethanol-250mcg/ml(cold extract) | antagonised the contractile effect of Acetylcholin | Ann.Rep.036/037 |

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|---|---|---|---|---|
| 61 | Ricinus communis (seed) | 50%Ethanol-250mcg/ml(cold extract) | antagonised the contractile effect of Acetylcholin | Ann.Rep.036/037 |
| 62 | Taraxacum officinale (flower) | 50%Ethanol-250mcg/ml(cold extract) | antagonised the contractile effect of Acetylcholin | Ann.Rep.036/037 |
| 63 | Mahonia nepaulensis (bark) | 50%Ethanol-250mcg/ml(cold extract) | antagonised the contractile effect of Acetylcholin | Ann.Rep.036/037 |
| 64 | Allium cepa (bulb) | 50%Ethanol-500mcg/ml(cold extract) | antagonised the contractile effect of Acetylcholin | Ann.Rep.036/037 |

| **4) Action on Isolated tissue test-(a) (50% Ethanol extract)** | | | | |
|---|---|---|---|---|
| **S.N.** | **Names of plants** | **Ileum of rat** | **Anoceccygens muscle of rat** | **Reference** |
| 1 | Butea monosperma (seed) | no effect | no effect | Ann.Rep.037/038 |
| 2 | Embelia ribes (fruit) | slightly blocks Acetylcholin | no effect | Ann.Rep.037/038 |
| 3 | Mallotus phillipensis | blocks Acetylcholin | no effect | Ann.Rep.037/038 |
| 4 | Oroxylum indicum | no effect | no effect | Ann.Rep.037/038 |
| 5 | Melia azadirachta | blocks Acetylcholin | no effect | Ann.Rep.037/038 |
| 6 | Woodfordia fructicosa | slightly blocks Acetylcholin | no effect | Ann.Rep.037/038 |
| 7 | Alstonia scholaris | blocks Acetylcholin | no effect | Ann.Rep.037/038 |
| 8 | Bauhinia variegata | no effect | no effect | Ann.Rep.038/039 |
| 9 | Melia azadirachta | blocks Acetylcholin | no effect | Ann.Rep.038/039 |
| 10 | Chenopodium album | blocks Acetylcholin | causes slight contraction | Ann.Rep.038/039 |
| 11 | Bombax malbaricum | no effect | causes slight contraction | Ann.Rep.038/039 |
| 12 | Curcuma zedoaria | no effect | no effect | Ann.Rep.039/040 |
| 13 | Apium graveolens | blocks Acetylcholin | no effect | Ann.Rep.039/040 |
| 14 | Cleome viscosa | slightly blocks Acetylcholin | no effect | Ann.Rep.039/040 |
| 15 | Tamarindus indicus | blocks Acetylcholin | causes contraction | Ann.Rep.040/041 |
| 16 | Allium wallichi | slightly blocks Acetylcholin | no effect | Ann.Rep.040/041 |
| 17 | Solanum xanthocarpum | blocks Acetylcholin | causes slight contraction | Ann.Rep.040/041 |
| 18 | Alternanthera | blocks Acetylcholin | no effect | Ann.Rep.040/041 |
| 19 | Aeglo marmelos | blocks Acetylcholin | causes slight contraction | Ann.Rep.040/041 |
| 20 | Honthiyana cordata | slightly blocks Acetylcholin | causes slight block of AD | Ann.Rep.041/042 |
| 21 | Ficus bengalensis | blocks Acetylcholin | causes contraction | Ann.Rep.041/042 |
| 22 | Jugalan regia | blocks Acetylcholin | causes slight block of AD | Ann.Rep.041/042 |

| | | | | |
|---|---|---|---|---|
| 23 | Cleodendron viscosum | blocks Acetylcholin | no effect | Ann.Rep.041/042 |
| 24 | Anagalis arvensis | blocks Acetylcholin,sometime shows contraction initially | no effect | Ann.Rep.041/042 |
| 25 | Oxalis corniculata | slightly blocks Acetylcholin | causes slight contraction | Ann.Rep.041/042 |
| 26 | Lippianodiflora | slightly blocks Acetylcholin | causes slight contraction | Ann.Rep.041/042 |
| 27 | Imperata cylindrica | slightly blocks Acetylcholin | no effect | Ann.Rep.041/042 |
| 28 | Jatropha curcas | blocks Acetylcholin | no effect | Ann.Rep.041/042 |

| **Action on Isolated tissue test-(b) (50% Ethanol extract)** | | | | | |
|---|---|---|---|---|---|
| **S.N.** | **Names of plants** | **Ileum of rat** | **Anoceccygens muscle of rat** | **Uterus of rat** | **Reference** |
| 1 | Acacia concinna (fruit) | spasmolytic | slightly spasmolytic | | Ann.Rep.042-047 |
| 2 | Allium wallichi | no effect | contraction | slightly contraction & spasmotytic | Ann.Rep.042-047 |
| 3 | Achyranthus aspera | slightly sasmolytic | no effect | slightly contraction & spasmotytic | Ann.Rep.042-047 |
| 4 | Alternanthera sessiles | spasmolytic | no effect | spasmolytic | Ann.Rep.042-047 |
| 5 | Anagalis arvensis (WP) | spasmolytic | no effect | contraction & spasmolytic | Ann.Rep.042-047 |
| 6 | Artocarpus lakoocha(bark) | slightly sasmolytic | no effect | | Ann.Rep.042-047 |
| 7 | Bixa orellana | spasmolytic | no effect | spasmolytic | Ann.Rep.042-047 |
| 8 | Bombax ceiba | spasmolytic | no effect | contraction | Ann.Rep.042-047 |
| 9 | Boenninghausenia albiflora (WP) | spasmolytic | spasmolytic | | Ann.Rep.042-047 |
| 10 | Callicarpa arborea (bark) | spasmolytic | slightly spasmolytic | | Ann.Rep.042-047 |
| 11 | Capsella Bursa pastoris | spasmolysis negligible | slightly spasmolytic | | Ann.Rep.042-047 |
| 12 | Clorodendron kaemfari (leaf) | slightly spasmolytic | no effect | irregular contraction & blocking | Ann.Rep.042-047 |
| 13 | Colebrokia oppolitifolio (leaf) | spasmolytic | spasmolytic | | Ann.Rep.042-047 |
| 14 | Capadessa bacifera (root,bark) | spasmolytic | contraction | | Ann.Rep.042-047 |
| 15 | Lessampelos pareira | spasmolytic | spasmolytic | spasmolytic | Ann.Rep.042-047 |
| 16 | Crinum amomomum | spasmolytic | contraction | spasmolytic | Ann.Rep.042-047 |

| | | | | | |
|---|---|---|---|---|---|
| 17 | Cyperus scariosus | relax & spasmolytic | spasmolysis negligible | spasmolytic | Ann.Rep.042-047 |
| 18 | Drymeria diandra | spasmolysis negligible | spasmolysis negligible | slightly spasmolytic | Ann.Rep.042-047 |
| 19 | Elephantobus scaber (root) | spasmolytic | slightly spasmolytic | | Ann.Rep.042-047 |
| 20 | Eclipta prostrata | spasmolytic | slightly spasmolytic | slightly contraction | Ann.Rep.042-047 |
| 21 | Erythrina arborescens | spasmolytic | contraction | slightly spasmolytic | Ann.Rep.042-047 |
| 22 | Euphorbia hirta(WP) | spasmolytic | slightly spasmolytic | | Ann.Rep.042-047 |
| 23 | Euphorbia wallichi | spasmolytic | slightly spasmolytic | | Ann.Rep.042-047 |
| 24 | Ficus bengalensis (bark) | spasmolytic | slightly contraction | spasmolytic | Ann.Rep.042-047 |
| 25 | Ficus racemosa | spasmolysis negligible | no effect | contraction | Ann.Rep.042-047 |
| 26 | Gentiana prolata (WP) | slightly spasmolytic | no effect | | Ann.Rep.042-047 |
| 27 | Hypocsts triflora | spasmolysis negligible | no effect | contraction | Ann.Rep.042-047 |
| 28 | Imperata cylindrica (WP) | spasmolysis negligible | no effect | | Ann.Rep.042-047 |
| 29 | Innula cappa (root) | spasmolytic | no effect | | Ann.Rep.042-047 |
| 30 | Jatropha curcas (bark) | slightly spasmolytic | no effect | | Ann.Rep.042-047 |
| 31 | Leucas cephalopus | spasmolytic | spasmolytic | spasmolytic | Ann.Rep.042-047 |
| 32 | Lippianodi flora (WP) | slightly spasmolytic | slightly contraction | | Ann.Rep.042-047 |
| 33 | Lobdia pyramidalis | slightly spasmolytic | contraction | contraction | Ann.Rep.042-047 |
| 34 | Maharanga bicolar | contraction & slightly spasmolytic | no effect | contraction | Ann.Rep.042-047 |
| 35 | Mesuaferra | spasmolytic | slightly spasmolytic | spasmolytic | Ann.Rep.042-047 |
| 36 | Morina longifolia (root) | spasmolytic | no effect | | Ann.Rep.042-047 |
| 37 | Moringa olcifera (leaf) | slightly spasmolytic | contraction | | Ann.Rep.042-047 |
| 38 | Murraya koenigii | spasmolytic | contraction | contraction & spasmolytic | Ann.Rep.042-047 |
| 39 | Myricaria rosea | slightly spasmolytic | slightly spasmolytic | contraction & slightly spasmolytic | Ann.Rep.042-047 |

| | | | | | |
|---|---|---|---|---|---|
| 40 | Michelia champaca | slightly spasmolytic | no effect | spasmolytic | Ann.Rep.042-047 |
| 41 | Oxalis corniculata | slightly spasmolytic | no effect | contraction | Ann.Rep.042-047 |
| 42 | Osbeckia nepalensis | relax & slightly spasmolytic | no effect | contraction & spasmolytic | Ann.Rep.042-047 |
| 43 | Plumbagu zeulanicum(WP) | spasmolytic | contraction | | Ann.Rep.042-047 |
| 44 | Plumeria rubra (bark) | spasmolytic | slightly spasmolytic | | Ann.Rep.042-047 |
| 45 | Portulaca olearacea (WP) | spasmolytic | contraction | | Ann.Rep.042-047 |
| 46 | Potentialla peduncularis (root) | spasmolytic | no effect | | Ann.Rep.042-047 |
| 47 | Rhododendron lepidatum | spasmolytic | slightly spasmolytic | | Ann.Rep.042-047 |
| 48 | Rumex nepalensis | slightly spasmolytic | no effect | spasmolysis negligible | Ann.Rep.042-047 |
| 49 | Sambukus huskeri | slightly spasmolytic | contraction & spasmolytic | spasmolytic | Ann.Rep.042-047 |
| 50 | Salvia plebia (WP) | spasmolytic | slightly spasmolytic | spasmolytic | Ann.Rep.042-047 |
| 51 | Senecio diversifolius | spasmolytic | spasmolysis negligible | contraction & slightly spasmolytic | Ann.Rep.042-047 |
| 52 | Sonchus | slightly spasmolytic | spasmolysis negligible | slightly spasmolytic | Ann.Rep.042-047 |
| 53 | Smilax macrophylla | slightly spasmolytic | no effect | contraction & spasmolytic | Ann.Rep.042-047 |
| 54 | Sphaeranthus senegalensis (bud) | spasmolytic | slightly spasmolytic | | Ann.Rep.042-047 |
| 55 | Stellaria mukerjeana | slightly spasmolytic | spasmolysis negligible | contraction & spasmolytic | Ann.Rep.042-047 |
| 56 | Stellaria chemijasme | contraction | contraction negligible | spasmolytic | Ann.Rep.042-047 |
| 57 | Stephania glandulifera | slightly spasmolytic | contraction | slightly spasmolytic | Ann.Rep.042-047 |
| 58 | Tadehagi prquetrum (root) | spasmolytic | no effect | | Ann.Rep.042-047 |
| 59 | Tectona grandis (bark) | slightly spasmolytic | no effect | | Ann.Rep.042-047 |
| 60 | Thalictrum foliolosum | spasmolytic | slightly spasmolytic | spasmolytic | Ann.Rep.042-047 |
| 61 | Verbascum thapsus | spasmolysis negligible | no effect | contraction | Ann.Rep.042-047 |
| 62 | Viscum album | spasmolytic | no effect | slightly spasmolytic | Ann.Rep.042-047 |

| 5) Action on isolated uterus of Albino rats-(a) | | | | | |
|---|---|---|---|---|---|
| **S.N.** | **Name of Plant** | **Extract** | **Contraction** | **Relaxation** | **Reference** |
| 1 | Benincasa hispida (fruit) | Petrolium ether | present | absent | Ann.Rep.032/033 |
| 2 | Benincasa hispida (fruit) | Ether | absent | absent | Ann.Rep.032/033 |
| 3 | Benincasa hispida (fruit) | Alcoholic | present | absent | Ann.Rep.032/033 |
| 4 | Benincasa hispida (fruit) | Water | present | absent | Ann.Rep.032/033 |
| 5 | Benincasa hispida (seed) | Petrolium ether | absent | absent | Ann.Rep.032/033 |
| 6 | Benincasa hispida (seed) | Ether | present | absent | Ann.Rep.032/033 |
| 7 | Benincasa hispida (seed) | Alcoholic | present | absent | Ann.Rep.032/033 |
| 8 | Benincasa hispida (seed) | Water | present | absent | Ann.Rep.032/033 |
| 9 | Benincasa hispida (fresh fruit) | Fresh liquid portion of fresh fruit | present | absent | Ann.Rep.032/033 |

| Action on isolated uterus of Albino rats-(b) | | | | |
|---|---|---|---|---|
| **S.N.** | **Name of Plant** | **Concentration (mg/kg)** | **Observation** | **Reference** |
| 1 | Emblica officinale (fruit) | 250 mcg/ml | does not antagonise the contractile effect of oxytoxin | Ann.Rep.034/035 |
| 2 | Asparagus racemosus (root) | 250 mcg/ml | does not antagonise the contractile effect of oxytoxin | Ann.Rep.034/035 |
| 3 | Rauwolfia serpentina (root) | 250 mcg/ml | does not antagonise the contractile effect of oxytoxin | Ann.Rep.034/035 |
| 4 | Swertia chirata (WP) | 250 mcg/ml | does not antagonise the contractile effect of oxytoxin | Ann.Rep.034/035 |
| 5 | Mallotus phillippinensis (fruit) | 250 mcg/ml | exhibition of contraction | Ann.Rep.034/035 |

| 6) Action on isolated ileum of Guinea Pig | | | | |
|---|---|---|---|---|
| **S.N.** | **Name of Plants** | **Concentration** | **Observation** | **Refference** |
| 1 | Asparagus racemosus (root) | 250mcg/ml | Does not antagonise the contractile effect of Acetylcholine and Histamine | Ann.Rep.034/035 |
| 2 | Swertia chirata (WP) | 250mcg/ml | Does not antagonise the contractile effect of Acetylcholine and Histamine | Ann.Rep.034/035 |
| 3 | Emblica officinale (fruit) | 250mcg/ml | Does not antagonise the contractile effect of Acetylcholine and Histamine | Ann.Rep.034/035 |
| 4 | Rauwolfia serpentina (root) | 250mcg/ml | Does antagonise the contractile effect of Acetylcholine and Histamine | Ann.Rep.034/035 |
| 5 | Mallotus phillippinensis (fruit) | 250mcg/ml | Does not antagonise the contractile effect of Acetylcholine and Histamine | Ann.Rep.034/035 |

| | | | | |
|---|---|---|---|---|
| 6 | Cinnamomum tamala (leaf) | 250mcg/ml | Does antagonise the contractile effect of Acetylcholine but not of Histamine | Ann.Rep.034/035 |
| 7 | Acorus calamus (rhizome) | 250mcg/ml | Does antagonise the contractile effect of Acetylcholine and Histamine | Ann.Rep.035/036 |
| 8 | Cuminium cyminum (fruit) | 250mcg/ml | Does not antagonise the contractile effect of Acetylcholine and Histamine | Ann.Rep.035/036 |
| 9 | Dichroa febrifuga (WP) | 250mcg/ml | Does not antagonise the contractile effect of Acetylcholine | Ann.Rep.035/036 |
| 10 | Dolichos biflores (seed) | 250mcg/ml | Does not antagonise the contractile effect of Acetylcholine | Ann.Rep.035/036 |
| 11 | Piper longum (fruit) | 250mcg/ml | Does not antagonise the contractile effect of Acetylcholine | Ann.Rep.035/036 |
| 12 | Zingiber officinale (rhizome) | 250mcg/ml | Does not antagonise the contractile effect of Acetylcholine | Ann.Rep.035/036 |

| **7) Action on the anaesthesized dog(General screening)- (a)** | | | | | |
|---|---|---|---|---|---|
| **S.N.** | **Descriptions** | **Extract** | **Respiration** | **Blood pressure** | **Reference** |
| 1 | Dioscorea sp. | NA | No change | No change | Ann.Rep.030/031 |
| 2 | Solanum sp. | NA | Increased | Lowered | Ann.Rep.030/031 |
| 3 | Rauwolfia serpentina | NA | Increased | Lowered | Ann.Rep.030/031 |
| 4 | Zanthoxylum alatum | NA | Increased | No change | Ann.Rep.030/031 |
| 5 | Litsea citrata | NA | No change | No change | Ann.Rep.030/031 |
| 6 | Heracleum wallichii | NA | No change | Slightly low. | Ann.Rep.030/031 |
| 7 | Bennincasa hispida(fruit) | Water extract | Slightly lowered | No change | Ann.Rep.031/032 |
| 8 | Bennincasa hispida(fruit) | Alcoholic extract suspended in water | Slightly lowered | No change | Ann.Rep.031/032 |
| 9 | Heracleum wallichii(root) | Alcoholic extract suspended in water | Increased | No change | Ann.Rep.031/032 |
| 10 | Eupatorium japoni-cum | Water extract | Slightly lowered | No change | Ann.Rep.031/032 |
| 11 | Neolitsea umbrosa | Water extract | No change | No change | Ann.Rep.031/032 |
| 12 | Neolitsea umbrosa | Alcoholic extract | No change | No change | Ann.Rep.031/032 |
| 13 | Centella asiatica(WP) | Alcoholic extract suspended in water | Lowered | No change | Ann.Rep.031/032 |
| 14 | Lilium nepalense(leaf,fl.) | Alcoholic | Lowered | No change | Ann.Rep.032/033 |

| | | | | | |
|---|---|---|---|---|---|
| 15 | Lilium nepalense(bulb) | Alcoholic | No change | No change | Ann.Rep.032/033 |
| 16 | Thalictrum(root) | Alcoholic | Lowered | No change | Ann.Rep.032/033 |
| 17 | Thalictrum(root) | Water extract | No change | No change | Ann.Rep.032/033 |
| 18 | Thalictrum(root) | Pet.ether | No change | No change | Ann.Rep.032/033 |
| 19 | Gonostegia hirta(root) | Alcoholic | Slightly lowered | No change | Ann.Rep.032/033 |
| 20 | Pieris formosa(leaf) | Alcoholic | Lowered | No change | Ann.Rep.032/033 |
| 21 | Pieris formosa(leaf) | Pet.ether | No change | No change | Ann.Rep.032/033 |
| 22 | Arisaema tortuosa(bulb) | Alcoholic | No change | No change | Ann.Rep.032/033 |
| 23 | Heracleum wallichi(root) | Water extract | No change | No change | Ann.Rep.032/033 |
| 24 | Calanthe(leaf) | Alcoholic | No change | No change | Ann.Rep.032/033 |
| 25 | Strobilanthus(stem) | Alcoholic | Lowered but transient | Increase in respir. rate | Ann.Rep.033/034 |
| 26 | Strobilanthus(stem) | Pet.ether | No change | No change | Ann.Rep.033/034 |
| 27 | Strobilanthus(stem) | Ether | No change | No change | Ann.Rep.033/034 |
| 28 | Strobilanthus(leaf) | Pet.ether | No change | No change | Ann.Rep.033/034 |
| 29 | Strobilanthus(leaf) | Alcoholic | Lowered but transient | Increase in respir. rate | Ann.Rep.033/034 |

**Action on the anaesthesized dog(Detail study)- (b)**

| S.N. | Descriptions | Extract | Concentration of extract | Vol. of extract | Blood pressure | Respiration | Reference |
|---|---|---|---|---|---|---|---|
| 1 | Calanthe(Leaf) | Alcoholic extract suspended in water | 1:03 | 0.05-1.0ml | No change | No change | Ann.Rep. 031/032 |
| 2 | Calanthe(Leaf) | Water extract | 1:10 | 0.05-1.5ml | No change | No change | |
| 3 | Berberis(Bark) | Alcoholic extract suspended in water | 0.05 | 1.0ml | Lowered | Rate & Amplitude increased | |
| 4 | Berberis(Bark) | Water extract | 1:10 | 0.1-3ml | No change | No change | |
| 5 | Litsea citrata | Water extract | 1:06 | 3ml | slight increase & then decrease | Rate &Amplitude increased | |

| 8) Action on the anaesthesized rabbit-(a) | | | | | |
|---|---|---|---|---|---|
| **S.N.** | **Descriptions** | **Extract** | **Blood pressure** | **Respiration** | **Reference** |
| 1 | Hollarhiana antidysentrica | Alcoholic | lowered | no change | Ann.Rep.033/034 |
| | (bark) | | | | |
| 2 | Terminalia belerica(fruit) | Alcoholic | no change | no change | Ann.Rep.033/034 |
| 3 | Terminalia chebula(fruit) | Alcoholic | slightly lowered | no change | Ann.Rep.033/034 |
| | | | but prolonged | | |
| 4 | Scoparia dulcis (WP) | Alcoholic | no change | no change | Ann.Rep.033/034 |
| 5 | Picrorhiza scoparia (WP) | Alcoholic | no change | no change | Ann.Rep.033/034 |
| 6 | Sarcococca coriacea (WP) | Alcoholic | no change | no change | Ann.Rep.033/034 |

| Action on the anaesthesized rabbit-(b) | | | | |
|---|---|---|---|---|
| **S.N.** | **Name of Plant** | **Concentration (mg/kg)** | **Observation** | **Reference** |
| 1 | Emblica officinale (fruit) | 60 | no change in B.P. & Respiration | Ann.Rep.034/035 |
| 2 | Rauwolfia serpentina (root) | 30 | lowered B.P., Resp. rate& amplitude | Ann.Rep.034/035 |
| 3 | Asparagus racemosus (root) | 25 | no change in B.P. & Respiration | Ann.Rep.034/035 |

| 9) Toxicity tests on mice-(a) | | | |
|---|---|---|---|
| **S.N.** | **Name of Plant** | **Approx.LD 50 24 hr** | **Reference** |
| 1 | Asparagus racemosus (root) | Above 1000mg/kg | Ann.Rep.034/035 |
| 2 | Emblica officinale (fruit) | Above 1000mg/kg | Ann.Rep.034/035 |
| 3 | Emblica officinale (fruit) | Above 1000mg/kg | Ann.Rep.034/035 |
| 4 | Emblica officinale (fruit) | Above 1000mg/kg | Ann.Rep.034/035 |
| 5 | Rauwolfia serpentina (root) | Above 1000mg/kg | Ann.Rep.034/035 |
| 6 | Rauwolfia serpentina (root) | Above 1000mg/kg | Ann.Rep.034/035 |
| 7 | Acorus calamus (rhizome) | 750mg/kg | Ann.Rep.035/036 |
| 8 | Cuminium cyminum (fruit) | Above 1000mg/kg | Ann.Rep.035/036 |
| 9 | Dichroa febrifuga (WP) | 800mg/kg | Ann.Rep.035/036 |
| 10 | Dolichos biflores (seed) | Above 1000mg/kg | Ann.Rep.035/036 |
| 11 | Piper longum (fruit) | Above 1000mg/kg | Ann.Rep.035/036 |

| | | | |
|---|---|---|---|
| 12 | Zingiber officinale (rhizome) | Above 1000mg/kg | Ann.Rep.035/036 |
| 13 | Rhubarb(rhizome) Alcohol & Pet.ether extract | Above 1000mg/kg | Ann.Rep.035/036 |
| 14 | Momordica charantia (fruit) | 950mg/kg | Ann.Rep.036/037 |
| 15 | Ricinus communis (seed) | Above 1000mg/kg | Ann.Rep.036/037 |
| 16 | Ricinus communis (fruit) | 370kg/mg | Ann.Rep.036/037 |
| 17 | Taraxacum officinale (flower) | Above 1000mg/kg | Ann.Rep.036/037 |
| 18 | Allium sativum(bulb)-Onion | Above 1000mg/kg | Ann.Rep.036/037 |
| 19 | Allium cepa (bulb)-Garlic | Above 1000mg/kg | Ann.Rep.036/037 |
| 20 | Mahonia nepaulensis (bark) | 450mg/kg | Ann.Rep.036/037 |

| **Toxicity tests on mice-(b) (50% Ethanol extract)** | | | |
|---|---|---|---|
| **S.N.** | **Names of plants** | **LD 50 mg/kg** | **Reference** |
| 1 | Butea monosperma (seed) | 75 | Ann.Rep.037/038 |
| 2 | Embelia ribes (fruit) | 1000 | Ann.Rep.037/038 |
| 3 | Mallotus phillipensis | 800 | Ann.Rep.037/038 |
| 4 | Oroxylum indicum | 1000 | Ann.Rep.037/038 |
| 5 | Melia azadirachta | 1000 | Ann.Rep.037/038 |
| 6 | Woodfordia fructicosa | 165 | Ann.Rep.037/038 |
| 7 | Alstonia scholaris | 1000 | Ann.Rep.037/038 |
| 8 | Bauhinia variegata | 1000 | Ann.Rep.038/039 |
| 9 | Melia azadirachta | 500 | Ann.Rep.038/039 |
| 10 | Chenopodium album | 1000 | Ann.Rep.038/039 |
| 11 | Bombax malbaricum | 1000 | Ann.Rep.038/039 |
| 12 | Curcuma zedoaria | 1000 | Ann.Rep.039/040 |
| 13 | Apium graveolens | 1000 | Ann.Rep.039/040 |
| 14 | Cleome viscosa | 1000 | Ann.Rep.039/040 |
| 15 | Tamarindus indicus | 1000 | Ann.Rep.040/041 |
| 16 | Allium wallichi | 1000 | Ann.Rep.040/041 |
| 17 | Solanum xanthocarpum | 250 | Ann.Rep.040/041 |
| 18 | Alternanthera | 1000 | Ann.Rep.040/041 |
| 19 | Aeglo marmelos | 1000 | Ann.Rep.040/041 |
| 20 | Honthiyana cordata | 1000 | Ann.Rep.041/042 |
| 21 | Ficus bengalensis | 500 | Ann.Rep.041/042 |
| 22 | Jugalan regia | 1000 | Ann.Rep.041/042 |

| | | | |
|---|---|---|---|
| 23 | Cleodendron viscosum | 100 | Ann.Rep.041/042 |
| 24 | Anagalis arvensis | 40 | Ann.Rep.041/042 |
| 25 | Oxalis corniculata | 1000 | Ann.Rep.041/042 |
| 26 | Lippianodiflora | 1000 | Ann.Rep.041/042 |
| 27 | Imperata cylindrica | 1000 | Ann.Rep.041/042 |
| 28 | Jatropha curcas | 1000 | Ann.Rep.041/042 |

| **Toxicity test-(c) (50% Ethanol extract)** | | | |
|---|---|---|---|
| **S.N.** | **Names of plants** | **LD 50 mg/kg** | **Reference** |
| 1 | Acacia concinna (fruit) | 50 | Ann.Rep.042-047 |
| 2 | Allium wallichi | 1000 | Ann.Rep.042-047 |
| 3 | Achyranthus aspera | 1000 | Ann.Rep.042-047 |
| 4 | Alternanthera sessiles | 1000 | Ann.Rep.042-047 |
| 5 | Anagalis arvensis (WP) | 40 | Ann.Rep.042-047 |
| 6 | Artocarpus lakoocha(bark) | 200 | Ann.Rep.042-047 |
| 7 | Bixa orellana | 400 | Ann.Rep.042-047 |
| 8 | Bombax ceiba | 75 | Ann.Rep.042-047 |
| 9 | Boenninghausenia albiflora(WP) | 750 | Ann.Rep.042-047 |
| 10 | Callicarpa arborea (bark) | 1000 | Ann.Rep.042-047 |
| 11 | Capsella Bursa pastoris | 400 | Ann.Rep.042-047 |
| 12 | Clorodendron kaemfari (leaf) | 1000 | Ann.Rep.042-047 |
| 13 | Colebrokia oppolitifolio (leaf) | 400 | Ann.Rep.042-047 |
| 14 | Capadessa bacifera (root,bark) | 100 | Ann.Rep.042-047 |
| 15 | Lessampelos pareira | 1000 | Ann.Rep.042-047 |
| 16 | Crinum amomomum | | Ann.Rep.042-047 |
| 17 | Cyperus scariosus | 500 | Ann.Rep.042-047 |
| 18 | Drymeria diandra | 175 | Ann.Rep.042-047 |
| 19 | Elephantobus scaber (root) | 600 | Ann.Rep.042-047 |
| 20 | Eclipta prostrata | 1000 | Ann.Rep.042-047 |
| 21 | Erythrina arborescens | 1000 | Ann.Rep.042-047 |
| 22 | Euphorbia hirta(WP) | 1000 | Ann.Rep.042-047 |
| 23 | Euphorbia wallichi | 1000 | Ann.Rep.042-047 |
| 24 | Ficus bengalensis (bark) | 500 | Ann.Rep.042-047 |
| 25 | Ficus racemosa | 1000 | Ann.Rep.042-047 |
| 26 | Gentiana prolata (WP) | 1000 | Ann.Rep.042-047 |
| 27 | Hypocsts triflora | 1000 | Ann.Rep.042-047 |

| | | | |
|---|---|---|---|
| 28 | Imperata cylindrica (WP) | 1000 | Ann.Rep.042-047 |
| 29 | Innula cappa (root) | 1000 | Ann.Rep.042-047 |
| 30 | Jatropha curcas (bark) | 1000 | Ann.Rep.042-047 |
| 31 | Leucas cephalopus | 450 | Ann.Rep.042-047 |
| 32 | Lippianodi flora (WP) | 1000 | Ann.Rep.042-047 |
| 33 | Lobdia pyramidalis | 1000 | Ann.Rep.042-047 |
| 34 | Maharanga bicolar | 1000 | Ann.Rep.042-047 |
| 35 | Mesuaferra | 350 | Ann.Rep.042-047 |
| 36 | Morina longifolia (root) | 500 | Ann.Rep.042-047 |
| 37 | Moringa olcifera (leaf) | 1000 | Ann.Rep.042-047 |
| 38 | Murraya koenigii | 1000 | Ann.Rep.042-047 |
| 39 | Myricaria rosea | 200 | Ann.Rep.042-047 |
| 40 | Michelia champaca | 1000 | Ann.Rep.042-047 |
| 41 | Oxalis corniculata | 1000 | Ann.Rep.042-047 |
| 42 | Osbeckia nepalensis | 400 | Ann.Rep.042-047 |
| 43 | Plumbagu zeulanicum(WP) | 450 | Ann.Rep.042-047 |
| 44 | Plumeria rubra (bark) | 800 | Ann.Rep.042-047 |
| 45 | Portulaca olearacea (WP) | 1000 | Ann.Rep.042-047 |
| 46 | Potentialla peduncularis (root) | 100 | Ann.Rep.042-047 |
| 47 | Rhododendron lepidatum | 300 | Ann.Rep.042-047 |
| 48 | Rumex nepalensis | | Ann.Rep.042-047 |
| 49 | Sambukus huskeri | 500 | Ann.Rep.042-047 |
| 50 | Salvia plebia (WP) | 1000 | Ann.Rep.042-047 |
| 51 | Senecio diversifolius | 1000 | Ann.Rep.042-047 |
| 52 | Sonchus | 1000 | Ann.Rep.042-047 |
| 53 | Smilax macrophylla | 1000 | Ann.Rep.042-047 |
| 54 | Sphaeranthus senegalensis(bud) | 1000 | Ann.Rep.042-047 |
| 55 | Stellaria mukerjeana | 1000 | Ann.Rep.042-047 |
| 56 | Stellaria chemijasme | 350 | Ann.Rep.042-047 |
| 57 | Stephania glandulifera | | Ann.Rep.042-047 |
| 58 | Tadehagi prquetrum (root) | 750 | Ann.Rep.042-047 |
| 59 | Tectona grandis (bark) | 1000 | Ann.Rep.042-047 |
| 60 | Thalictrum foliolosum | 1000 | Ann.Rep.042-047 |
| 61 | Verbascum thapsus | 1000 | Ann.Rep.042-047 |
| 62 | Viscum album | 950 | Ann.Rep.042-047 |

| 10) Neuro pharmacological tests on rats (Albino)-(a) | | | | |
|---|---|---|---|---|
| **S.N.** | **Name of Plant** | **Extract** | **Neuropharmacological observation** | **Reference** |
| 1 | Strobilanthus (stem) | Alcoholic | 1000mg/kg exhibited hypothermia. | Ann.Rep.033/034 |
| 2 | Strobilanthus (leaf) | Alcoholic | 1000mg/kg exhibited hypothermia. | Ann.Rep.033/034 |
| 3 | Strobilanthus (leaf) | Water | 1000& 750mg/kg exhibited hypothermia, motor activity writhing. | Ann.Rep.033/034 |
| 4 | Strobilanthus (leaf) | Pet.ether | 1000mg/kg exhibited hypothermia. | Ann.Rep.033/034 |
| 5 | Hollarhiana antidysentrica(bark) | Alcoholic | Lethal at 1000,750,500mg/kg. | Ann.Rep.033/034 |
| 6 | Hollarhiana antidysentrica(bark) | Pet.ether | No action at 400mg/kg. | Ann.Rep.033/034 |
| 7 | Hollarhiana antidysentrica(bark) | Water | Lethal at 1000 &750mg/kg but 500mg/kg | Ann.Rep.033/034 |
| | | | exhibited hypothermia. | |
| 8 | Terminalia belerica (fruit) | Alcoholic | 1000,750,500 & 250mg/kg exhibited | Ann.Rep.033/034 |
| | | | hypothermia,salivation,writhing. | |
| 9 | Terminalia belerica (fruit) | Ether | No action at 500mg/kg. | Ann.Rep.033/034 |
| 10 | Terminalia belerica (fruit) | Water | Lethal at 400mg/kg, no action at 200mg/kg. | Ann.Rep.033/034 |
| 11 | Terminalia chebula (fruit) | Alcoholic | Lethal at 1000 but 750mg/kg exhibited hypothermia,cyanosis,enopthelmos, 500mg/kg exhibited hypothermia,salivation. | Ann.Rep.033/034 |
| 12 | Terminalia chebula (fruit) | Water | Lethal at 1000,750,500mg/kg,exhibited hypothermia,salivation,motor activity. | Ann.Rep.033/034 |
| 13 | Terminalia chebula (fruit) | Ether | 500mg/kg exhibited hypothermia. | Ann.Rep.033/034 |
| 14 | Scoparia dulcis (WP) | Alcoholic | 1000mg/kg exhibited hypothermia. | Ann.Rep.033/034 |
| 15 | Scoparia dulcis (WP) | Pet.ether | 500mg/kg exhibited hypothermia. | Ann.Rep.033/034 |
| 16 | Scoparia dulcis (WP) | Water | Lethal at 750mg/kg but 500mg/kg exhibited hypothermia. | Ann.Rep.033/034 |
| 17 | Scoparia dulcis (WP) | Ether | 750 & 500mg/kg exhibited hypothermia. | Ann.Rep.033/034 |
| 18 | Picrorhiza scrophularifolia(WP) | Alcoholic | No action at 500mg/kg. | Ann.Rep.033/034 |
| 19 | Picrorhiza scrophularifolia(WP) | Water | No action at 500mg/kg. | Ann.Rep.033/034 |

| | | | | |
|---|---|---|---|---|
| 20 | Picrorhiza scrophularifolia(WP) | Pet.ether | 750mg/kg exhibited slightly salivation. | Ann.Rep.033/034 |
| 21 | Picrorhiza scrophularifolia(WP) | Ether | 1000& 750mg/kg exhibited hypothermia, pupil size | Ann.Rep.033/034 |
| 22 | Sarcococca coriacea(WP) | Alcoholic | 1000,750,500 & 250mg/kg exhibited slightly hypothermia,salivation,writhing. | Ann.Rep.033/034 |

| **Neuro pharmacological tests on mice-(b)** | | | |
|---|---|---|---|
| **S.N.** | **Name of Plant** | **Observation** | **Reference** |
| 1 | Asparagus racemosus (root) | 500mg/kg-No effect | Ann.Rep.034/035 |
| 2 | Emblica officinale (fruit) | 500mg/kg-Hypothermia,slight depression in motor activity | Ann.Rep.034/035 |
| 3 | Emblica officinale (fruit) | 200mg/kg-Hypothermia,slight depression in motor activity | Ann.Rep.034/035 |
| 4 | Emblica officinale (fruit) | 100mg/kg-No visible effect | Ann.Rep.034/035 |
| 5 | Rauwolfia serpentina (root) | 500mg/kg-Ptosis,decrease in motor activity | Ann.Rep.034/035 |
| 6 | Rauwolfia serpentina (root) | 250mg/kg-Ptosis,decrease in motor activity | Ann.Rep.034/035 |
| 7 | Acorus calamus (rhizome) | Motor activity slightly decreased,micturation, hypothermia finebody tremors,ptosis. | Ann.Rep.035/036 |
| 8 | Cuminium cyminum (fruit) | no effect | Ann.Rep.035/036 |
| 9 | Dichroa febrifuga (WP) | loose stool | Ann.Rep.035/036 |
| 10 | Dolichos biflores (seed) | hypothermia,micturation | Ann.Rep.035/036 |
| 11 | Piper longum (fruit) | no effect | Ann.Rep.035/036 |
| 12 | Zingiber officinale (rhizome) | no effect | Ann.Rep.035/036 |
| 13 | Rhubarb(rhizome) Alc.&Pet.ether extract | no effect | Ann.Rep.035/036 |
| 14 | Momordica charantia (fruit) | no effect | Ann.Rep.036/037 |
| 15 | Ricinus communis (seed) | writhing & hypothermia | Ann.Rep.036/037 |
| 16 | Ricinus communis (fruit) | hypothermia | Ann.Rep.036/037 |
| 17 | Taraxacum officinale (flower) | no effect | Ann.Rep.036/037 |
| 18 | Allium cepa (bulb)-Onion | slight decrease in motor activity,writhing | Ann.Rep.036/037 |
| 19 | Allium sativum (bulb)-Garlic | no effect | Ann.Rep.036/037 |
| 20 | Mahonia nepaulensis (bark) | hypothermia,slight decrease in motor activity,writhing | Ann.Rep.036/037 |

| 12) Anti-fertility effect of extracts with toxicity test on rats | | | | | | |
|---|---|---|---|---|---|---|
| **S.N.** | **Name of plant** | **ALD 50 mg/kg** | **Dose mg/kg** | **Anti-fertility %** | **Foetal loss %** | **Reference** |
| 1 | Acacia concinna (fruit) | 50 | 25 | 40 | 45 | J.Nep.Pharm. Assoc. Vol. XVII(1990-92) &Ann. Rep.042-047 |
| 2 | Alstonia scholaris (bark) | 1000 | 600 | 40 | 44 | |
| 3 | Anagalis arvensis (WP) | 40 | 10 | 0 | 11 | |
| 4 | Artemisia vulgaris (WP-crude powder) | 4600 | 1000 | 42.8 | 25 | |
| 5 | Annona squamosa (leaf) | 500 | 500 | 0 | 11 | |
| 6 | Apium graveolens (seed) | 500 | 500 | 0 | 10 | |
| 7 | Bixa orellana (aerial part) | 400 | 200 | 25 | 63 | |
| 8 | Boenninghausenia albiflora (WP) | 750 | 500 | 25 | 0 | |
| 9 | Cipadessa bacifera (root bark) | 1000 | 500 | 0 | 0 | |
| 10 | Caesalpinia bonducella | 1000 | 1000 | 16.6 | 2 | |
| 11 | Colebrookia oppositifolia (leaf) | 400 | 200 | 25 | 0 | |
| 12 | Cyperus rotendus (root-crude powder) | 5500 | 1500 | 20 | 33 | |
| 13 | Cyperus scariosus (root) | 400 | 100 | 25 | 11 | |
| 14 | Drymeria diandra (WP) | 175 | 65 | 0 | 21 | |
| 15 | Gentiana prolata (WP) | 1000 | 500 | 25 | 2 | |
| 16 | Eclipta prostrata (WP) | 1000 | 4000 | 0 | 6 | |
| 17 | Gentiana prolata (WP) | 1000 | 500 | 25 | 2 | |
| 18 | Hypoestes triflora (WP) | 1000 | 500 | 25 | 22 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 19 | Plumbago zeylannicum (WP) | 450 | 250 | 20 | 0 | |
| 20 | Plumeria rubra (bark) | 800 | 600 | 75 | 10 | |
| 21 | Portolaca olearacea | 1000 | 500 | 25 | 0 | |
| 22 | Rumex nepalensis (root) | 750 | 250 | 25 | 19 | |
| 23 | Salvia plebia (WP) | 1000 | 1000 | 0 | 0 | |
| 24 | Sambukus hookeri (root) | 1000 | 750 | 50 | 28 | |
| 25 | Stellaria chemijasme (WP) | 350 | 150 | 25 | 0 | |
| 26 | Urtica dioica (juice) | 1000 | 10ml | 20 | 20 | |
| 27 | Senecio diversifolius (WP) | | 250 | 25 | 25 | |
| 28 | Verbascum thapsus (WP) | 1000 | 500 | 25 | 0 | |
| 29 | Woodfordia fructicosa (flower) | 600 | 150 | 50 | 45 | |

| **11) Anthelmintic Test (in vitro)-(a)** | | | |
|---|---|---|---|
| **S.N.** | **Name of Plants** | **Results** | **Reference** |
| 1 | Melia azadirachta | slightly effective | Ann.Rep.037/038 |
| 2 | Butea monosperma | no effect | Ann.Rep.037/038 |
| 3 | Mallotus phillipensis | effective | Ann.Rep.037/038 |
| 4 | Woodfordia fructicosa | no effect | Ann.Rep.037/038 |
| 5 | Embelia ribes | no effect | Ann.Rep.037/038 |
| 6 | Oroxylum indicum | effective | Ann.Rep.037/038 |
| 7 | Bauhinia variegata | no effect | Ann.Rep.038/039 |
| 8 | Melia azadirachta | effective | Ann.Rep.038/039 |
| 9 | Chenopodium album | effective | Ann.Rep.038/039 |
| 10 | Curcuma zedoaria | effective | Ann.Rep.039/040 |
| 11 | Apium graveolens | effective | Ann.Rep.039/040 |
| 12 | Cleome viscosa | effective | Ann.Rep.039/040 |

| Anthelmintic Test (in vivo)-(b) | | | | |
|---|---|---|---|---|
| **S.N.** | **Name of Plants** | **Dose** | **Results** | **Reference** |
| 1 | Mallotus phillipensis | 1.1gm/kg | effective | Ann.Rep.040/041 |
| 2 | Chenopodium album | 500mg/kg | no effect | Ann.Rep.040/041 |
| 3 | Apium graveolens | 1000mg/kg | no effect | Ann.Rep.040/041 |
| 4 | Butea monosperma | 45mg/kg | no effect | Ann.Rep.040/041 |
| 5 | Cleome viscosa | 500mg/kg | no effect | Ann.Rep.041/042 |
| 6 | Curcuma zedoaria | 1000mg/kg | no effect | Ann.Rep.041/042 |
| 7 | Bauhinia variegata | 1000mg/kg | no effect | Ann.Rep.041/042 |

| Anthelmintic Test (antitape worm & toxicity)-(C) | | | | | |
|---|---|---|---|---|---|
| **S.N** | **Name of Plants** | **LD 50** | **Dose(oral)** | **Effect** | **Reference** |
| 1 | Apium gravaolens | 100 | 1000 | 0 | Ann.Rep.042-047 |
| 2 | Anagalis arvensis | 40 | 40 | 0 | Ann.Rep.042-047 |
| 3 | Acacia concinna | 50 | 20 | 0 | Ann.Rep.042-047 |
| 4 | Annona squamosa | 750 | 500 | 0 | Ann.Rep.042-047 |
| 5 | Artocarpus lakoocha | 200 | 75 | 0 | Ann.Rep.042-047 |
| 6 | Allium wallichi | >1000 | 1000 | 0 | Ann.Rep.042-047 |
| 7 | Achyranthuys aspera | >1000 | 250 | 33 | Ann.Rep.042-047 |
| 8 | Bauhinia variegata | 1000 | 1000 | 0 | Ann.Rep.042-047 |
| 9 | Butea monosperma | 200 | 75 | 0 | Ann.Rep.042-047 |
| 10 | Boenninghausenia albiflora | 750 | 500 | 0 | Ann.Rep.042-047 |
| 11 | Bombax ceiba | | 500 | 33 | Ann.Rep.042-047 |
| 12 | Curcuma zedoaria | 1000 | 1000 | 0 | Ann.Rep.042-047 |
| 13 | Cleome viscosa | 1000 | 500 | 0 | Ann.Rep.042-047 |
| 14 | Chemopodium album | 1000 | 500 | 0 | Ann.Rep.042-047 |
| 15 | Cipadess bacifera | 1000 | 1000 | 0 | Ann.Rep.042-047 |
| 16 | Clerodcendendrum viscosum | 1000 | 500 | 0 | Ann.Rep.042-047 |
| 17 | Colebrookia oppositifolia | 400 | 1000 | 0 | Ann.Rep.042-047 |
| 18 | Crinum amomum | 1000 | 250 | 0 | Ann.Rep.042-047 |
| 19 | Callicepa arborea | 1000 | 1000 | 0 | Ann.Rep.042-047 |
| 20 | Drymeria diandra | 175 | 100 | 0 | Ann.Rep.042-047 |
| 21 | Elephantopus scaber | 600 | 400 | 25 | Ann.Rep.042-047 |
| 22 | Euphorbia hirta | 1000 | 500 | 0 | Ann.Rep.042-047 |
| 23 | Eclipta prostrata | | 500 | 0 | Ann.Rep.042-047 |

| | | | | | |
|---|---|---|---|---|---|
| 24 | Eupherbia wallichi | 1000 | 500 | 0 | Ann.Rep.042-047 |
| 25 | Ficus bangalensis | 1000 | 175 | 0 | Ann.Rep.042-047 |
| 26 | Hypoestes triflora | 1000 | 250 | 33 | Ann.Rep.042-047 |
| 27 | Innula cappa | 1000 | 500 | 25 | Ann.Rep.042-047 |
| 28 | Jatropha curcas | 1000 | 500 | 0 | Ann.Rep.042-047 |
| 29 | Lippia nodiflora | 1000 | 1000 | 0 | Ann.Rep.042-047 |
| 30 | Imperata cylindrica | 1000 | 1000 | 0 | Ann.Rep.042-047 |
| 31 | Moringa oleifera | 1000 | 1000 | 0 | Ann.Rep.042-047 |
| 32 | Melia azadirach | 500 | 500 | 0 | Ann.Rep.042-047 |
| 33 | Morina longifolia | 500 | 500 | 0 | Ann.Rep.042-047 |
| 34 | Michelia champaca | | 500 | 50 | Ann.Rep.042-047 |
| 35 | Michelia champaca | | 250 | 25 | Ann.Rep.042-047 |
| 36 | Murraya koenigii | 1000 | 250 | 25 | Ann.Rep.042-047 |
| 37 | Maharanga bicolor | 1000 | 250 | 50 | Ann.Rep.042-047 |
| 38 | Oxalis corniculata | 1000 | 500 | 0 | Ann.Rep.042-047 |
| 39 | Punica granatum | 250 | 250 | 0 | Ann.Rep.042-047 |
| 40 | Portulaca olearaceae | 1000 | 500 | 50 | Ann.Rep.042-047 |
| 41 | Plumeria rubra | 800 | 500 | 37 | Ann.Rep.042-047 |
| 42 | Potentialla peduncularis | | 500 | 0 | Ann.Rep.042-047 |
| 43 | Rume nepalensis | 1000 | 500 | 0 | Ann.Rep.042-047 |
| 44 | Sphaeranthus senegalensis | 1000 | 1000 | 25 | Ann.Rep.042-047 |
| 45 | Salvia plebia | 1000 | 500 | 0 | Ann.Rep.042-047 |
| 46 | Solaum xanthocarpum | 2500 | 1000 | 0 | Ann.Rep.042-047 |
| 47 | Senecio diversifolius | 1000 | 250 | 33 | Ann.Rep.042-047 |
| 48 | Salvia coccinea | 1000 | 250 | 66 | Ann.Rep.042-047 |
| 49 | Terminalia balerica | 450 | 1000 | 0 | Ann.Rep.042-047 |
| 50 | Tectona grandis | 500 | 500 | 50 | Ann.Rep.042-047 |
| 51 | Taderagi trigetrum | 750 | 250 | 0 | Ann.Rep.042-047 |
| 52 | Thalictrum foliosum | 1000 | 1000 | 25 | Ann.Rep.042-047 |
| 53 | Urtica juice | | 20ml | 0 | Ann.Rep.042-047 |
| 54 | Vinca rosea | | 1000 | 0 | Ann.Rep.042-047 |
| 55 | Verbascum thapsus | 1000 | 250 | 66 | Ann.Rep.042-047 |
| 56 | Viscum album | 950 | 250 | 50 | Ann.Rep.042-047 |

# Pharmacology section B (058-070)

| 1) Anti-fertility effect of extracts on rats | | | | | |
|---|---|---|---|---|---|
| **S.N.** | **Name of plant** | **Part used** | **Dose mg/kg** | **% Anti-fertility** | **Reference** |
| 1 | Zanthoxylum nepalense | twigs | 500 mg/kg | no effect | Annual report 058/059 |
| 2 | Mimosa pudica | whole plant | 400 mg/kg | 75% | Annual report 058/059 |
| 3 | Hippophae salicifolia | branch | 400 mg/kg | 50% | Annual report 058/059 |
| 4 | Bistorta amplexicaulis | whole plant | 200 mg/kg | 100% | Annual report 058/059 |
| 5 | Betula utilis | leaves | 250 mg/kg | 25% | Annual report 058/059 |
| 6 | Azadirachta indica | leaves | 500 mg/kg | 75% | Annual report 058/059 |
| 7 | Coptis teeta | Rhizome | 200 mg/kg | 50% | Annual report 059/060 |
| 8 | Paulownia fortunei | Seed | 500 mg/kg | 75% | Annual report 059/060 |
| 9 | Murrya kotenigii | branch | 500 mg/kg | 50% | Annual report 059/060 |
| 10 | Sesamun indicum | whole plant | 500 mg/kg | no effect | Annual report 059/060 |
| 11 | Didymocarpus leucocalyx | leaves | 500 mg/kg | 75% | Annual report 059/060 |
| 12 | Campylandra aurantiaca | whole plant | 500 mg/kg | 50% | Annual report 060/061 |
| 13 | Leucas lavandulaefolia | whole plant | 500 mg/kg | 25% | Annual report 060/061 |
| 14 | Pityrogramma calomelanos | whole plant | 500 mg/kg | 50% | Annual report 060/061 |
| 15 | Gaultheria nummularioides | whole plant | 500 mg/kg | 50% | Annual report 060/061 |
| 16 | Gymnema sylvestris | leaves | 500 mg/kg | 50% | Annual report 060/061 |
| 17 | Elsholtzia strobilifera | whole plant | 500 mg/kg | 50% | Annual report 060/061 |
| 18 | Didymocarpus villosus | whole plant | 500 mg/kg | 75% | Annual report 060/061 |
| 19 | Hyptis sauveolens | whole plant | 500 mg/kg | 50% | Annual report 060/061 |
| 20 | Tinospora sinensis | stem | 250 mg/kg | 25% | Annual report 060/061 |
| 21 | Duranta repens | branch | 250 mg/kg | 50% | Annual report 060/061 |
| 22 | Cryptomeria japonica | leaves | 250 mg/kg | 50% | Annual report 060/061 |
| 23 | Bergenia legulata | whole plant | 200 mg/kg | 50% | Annual report 060/061 |
| 24 | Piper longum | Fruit spike | 500 mg/kg | 25% | Annual report 061/062 |
| 25 | Asparagus racemosus | Root | 300 mg/kg | 25% | Annual report 061/062 |
| 26 | Boschniakia himalaica | branch | 175 mg/kg | 50% | Annual report 061/062 |
| 27 | Cinnamomum tamala | leaves | 500 mg/kg | 25% | Annual report 061/062 |
| 28 | Abies spectabilis | cone | 500 mg/kg | 75% | Annual report 061/062 |
| 29 | Eriophyton wallichianum | whole plant | 500 mg/kg | 75% | Annual report 061/062 |
| 30 | Chlorophytum arundinaceum | branch | 250 mg/kg | 50% | Annual report 061/062 |

## Pharmacology section B (058-070)

| 1) Anti-fertility effect of extracts on rats | | | | | |
|---|---|---|---|---|---|
| **S.N.** | **Name of plant** | **Part used** | **Dose mg/kg** | **% Anti-fertility** | **Reference** |
| 1 | Zanthoxylum nepalense | twigs | 500 mg/kg | no effect | Annual report 058/059 |
| 2 | Mimosa pudica | whole plant | 400 mg/kg | 75% | Annual report 058/059 |
| 3 | Hippophae salicifolia | branch | 400 mg/kg | 50% | Annual report 058/059 |
| 4 | Bistorta amplexicaulis | whole plant | 200 mg/kg | 100% | Annual report 058/059 |
| 5 | Betula utilis | leaves | 250 mg/kg | 25% | Annual report 058/059 |
| 6 | Azadirachta indica | leaves | 500 mg/kg | 75% | Annual report 058/059 |
| 7 | Coptis teeta | Rhizome | 200 mg/kg | 50% | Annual report 059/060 |
| 8 | Paulownia fortunei | Seed | 500 mg/kg | 75% | Annual report 059/060 |
| 9 | Murrya kotenigii | branch | 500 mg/kg | 50% | Annual report 059/060 |
| 10 | Sesamun indicum | whole plant | 500 mg/kg | no effect | Annual report 059/060 |
| 11 | Didymocarpus leucocalyx | leaves | 500 mg/kg | 75% | Annual report 059/060 |
| 12 | Campylandra aurantiaca | whole plant | 500 mg/kg | 50% | Annual report 060/061 |
| 13 | Leucas lavandulaefolia | whole plant | 500 mg/kg | 25% | Annual report 060/061 |
| 14 | Pityrogramma calomelanos | whole plant | 500 mg/kg | 50% | Annual report 060/061 |
| 15 | Gaultheria nummularioides | whole plant | 500 mg/kg | 50% | Annual report 060/061 |
| 16 | Gymnema sylvestris | leaves | 500 mg/kg | 50% | Annual report 060/061 |
| 17 | Elsholtzia strobilifera | whole plant | 500 mg/kg | 50% | Annual report 060/061 |
| 18 | Didymocarpus villosus | whole plant | 500 mg/kg | 75% | Annual report 060/061 |
| 19 | Hyptis sauveolens | whole plant | 500 mg/kg | 50% | Annual report 060/061 |
| 20 | Tinospora sinensis | stem | 250 mg/kg | 25% | Annual report 060/061 |
| 21 | Duranta repens | branch | 250 mg/kg | 50% | Annual report 060/061 |
| 22 | Cryptomeria japonica | leaves | 250 mg/kg | 50% | Annual report 060/061 |
| 23 | Bergenia legulata | whole plant | 200 mg/kg | 50% | Annual report 060/061 |
| 24 | Piper longum | Fruit spike | 500 mg/kg | 25% | Annual report 061/062 |
| 25 | Asparagus racemosus | Root | 300 mg/kg | 25% | Annual report 061/062 |
| 26 | Boschniakia himalaica | branch | 175 mg/kg | 50% | Annual report 061/062 |
| 27 | Cinnamomum tamala | leaves | 500 mg/kg | 25% | Annual report 061/062 |
| 28 | Abies spectabilis | cone | 500 mg/kg | 75% | Annual report 061/062 |
| 29 | Eriophyton wallichianum | whole plant | 500 mg/kg | 75% | Annual report 061/062 |
| 30 | Chlorophytum arundina-ceum | branch | 250 mg/kg | 50% | Annual report 061/062 |
| 31 | Juniperus recurva | twigs | 250 mg/kg | 25% | Annual report 061/062 |
| 32 | Oryris wightiana | branch | 250 mg/kg | 50% | Annual report 061/062 |

| | | | | | |
|---|---|---|---|---|---|
| 33 | Pleione praecox | whole plant | 250 mg/kg | 75% | Annual report 061/062 |
| 34 | Dicliptera bupleuroides | leaves | 500 mg/kg | 50% | Annual report 061/062 |
| 35 | Cassia fisula | Seed | 500 mg/kg | 75% | Annual report 062/063 |
| 36 | Potenilla fulgens | Seed | 300 mg/kg | 75% | Annual report 062/063 |
| 37 | Taxus baccata | twigs | 100 mg/kg | 75% | Annual report 062/063 |
| 38 | Prunella vulgaris | twigs | 100 mg/kg | 25% | Annual report 062/063 |
| 39 | Larix himalaica | twigs | 100 mg/kg | 50% | Annual report 062/063 |
| 40 | Morina longifolia | branch | 500 mg/kg | 50% | Annual report 062/063 |
| 41 | Clematis montana | branch | 500 mg/kg | 25% | Annual report 062/063 |
| 42 | Thymus linearis | branch | 200 mg/kg | 50% | Annual report 062/063 |
| 43 | Organum vulgaris | branch | 350 mg/kg | 50% | Annual report 062/063 |
| 44 | Prunella vulgaris | stem | 300 mg/kg | 50% | Annual report 063/064 |
| 45 | Pterocarpus marsupium | stem | 200 mg/kg | 50% | Annual report 063/064 |
| 46 | Persea oloratissima | bark | 300 mg/kg | 50% | Annual report 063/064 |
| 47 | Taxus wallichiana | twigs | 500 mg/kg | 75% | Annual report 063/064 |
| 48 | Mallotus philippinensis | fruits | 500 mg/kg | 50% | Annual report 063/064 |
| 49 | Paris polyphylla | Root | 500 mg/kg | 50% | Annual report 063/064 |
| 50 | Usnea sp. | whole plant | 500 mg/kg | 75% | Annual report 063/064 |
| 51 | Rheum australe | stem | 250 mg/kg | 75% | Annual report 063/064 |
| 52 | Rubia manjith | stem | 300 mg/kg | 50% | Annual report 063/064 |
| 53 | Euphorbia prostrata | stem | 500 mg/kg | 75% | Annual report 063/064 |
| 54 | Allium sativum | bulb | 500 mg/kg | 25% | Annual report 064/065 |
| 55 | Carthamus tinctorius | flower | 400 mg/kg | 50% | Annual report 064/065 |
| 56 | Persicaria varinafolia | twigs | 200 mg/kg | 25% | Annual report 064/065 |
| 57 | Phytolacca acinosa | twigs | 200 mg/kg | 50% | Annual report 064/065 |
| 58 | Lobelia pyramidalis | stem & leaves | 450 mg/kg | 25% | Annual report 064/065 |
| 59 | Urtica dioica | leaves | 500 mg/kg | 50% | Annual report 064/065 |
| 60 | Jurinea dolomiaea | stem | 500 mg/kg | 50% | Annual report 064/065 |
| 61 | Artemesia carvifolia | stem | 500 mg/kg | 75% | Annual report 064/065 |
| 62 | Bergenia ciliata | Rhizome | 500 mg/kg | 50% | Annual report 064/065 |
| 63 | Verbascum thapsus | inflores-cence | 300 mg/kg | 50% | Annual report 064/065 |
| 64 | Dendrobium ammoenum | NA | 500 mg/kg | 50% | Annual report 065/066 |
| 65 | Dendrobium sp. | NA | 500 mg/kg | 75% | Annual report 065/066 |

| | | | | | |
|---|---|---|---|---|---|
| 66 | Juglans regia | bark | 500 mg/kg | 50% | Annual report 065/066 |
| 67 | Rubia manjith | stem | 500 mg/kg | 50% | Annual report 065/066 |
| 68 | Boehmeria rugulosa | bark | 500 mg/kg | 75% | Annual report 065/066 |
| 69 | Prunella vulgaris | inflores-cence | 500 mg/kg | 50% | Annual report 065/066 |
| 70 | Persicaria polystachya | twigs | 500 mg/kg | 25% | Annual report 065/066 |
| 71 | Rauwolfia serpentina | Root | 250 mg/kg | 50% | Annual report 065/066 |
| 72 | Eurya acuninata | twigs | 500 mg/kg | 75% | Annual report 065/066 |
| 73 | Origanum majorana | whole plant | 250 mg/kg | 50% | Annual report 065/066 |
| 74 | Desmodium multiflorum | leaf & fruits | 500 mg/kg | 75% | Annual report 065/066 |
| 75 | Campylotropis macrostyla | leaf & flower | 250 mg/kg | 25% | Annual report 065/066 |

| S.N. | Name of plant | Part used | Dose mg/kg | Abortificient effect | % Anti-fertility | Reference |
|---|---|---|---|---|---|---|
| 76 | Bauhinia vahlii | twigs | 500 mg/kg | 70.20% | 50% | Annual report 066/067 |
| 77 | Alnus nepalensis | twigs | 500 mg/kg | 29.40% | 25% | Annual report 066/067 |
| 78 | Satyrium nepal-ensis | whole plant | 500 mg/kg | 50% | 50% | Annual report 066/067 |
| 79 | Osbeckia nepal-ensis | NA | 300 mg/kg | 64.10% | 50% | Annual report 066/067 |
| 80 | Phyllanthus emblica | twigs | 300 mg/kg | 23.08% | 25% | Annual report 066/067 |
| 81 | Syzygium cumini | twigs | 500 mg/kg | 78.30% | 50% | Annual report 066/067 |
| 82 | Stellaria mono-sperma | Root | 500 mg/kg | 62.10% | 75% | Annual report 066/067 |
| 83 | Zizyphus mauri-tiana | twigs | 300 mg/kg | 48.70% | 50% | Annual report 066/067 |
| 84 | Euphorbia wallichi | twigs | 500 mg/kg | 87.10% | 75% | Annual report 066/067 |
| 85 | Anaphalis cuneifolia | twigs | 450 mg/kg | 64.10% | 50% | Annual report 066/067 |

| S.N. | Name of plant | Part used | Dose mg/kg | % Anti-fertility | Reference |
|---|---|---|---|---|---|
| 86 | Rhododendron sp. | Shoot | 500 mg/kg | 50% | Annual report 067/068 |
| 87 | Artemesia veptato | Shoot | 100 mg/kg | 75% | Annual report 067/068 |
| 88 | Arctium Lappa | whole plant | 500 mg/kg | 75% | Annual report 067/068 |
| 89 | Berberis mucrifolia | fruiting shoot | 500 mg/kg | 75% | Annual report 067/068 |
| 90 | Buddleja sp. | Shoot | 500 mg/kg | 50% | Annual report 067/068 |
| 91 | Inmula racemosa | whole plant | 500 mg/kg | 75% | Annual report 067/068 |
| 92 | Oxytropis williarsii | whole plant | 500 mg/kg | 50% | Annual report 067/068 |
| 93 | Senecio lactus | Shoot | 500 mg/kg | 75% | Annual report 067/068 |
| 94 | Rheum australe | Shoot | 500 mg/kg | 25% | Annual report 067/068 |
| 95 | Cyanchum canescens | Shoot | 200 mg/kg | NA | Annual report 067/068 |

| S.N. | Name of plant | Part used | Dose mg/kg | Abortificient effect | % Anti-fertility | Reference |
|---|---|---|---|---|---|---|
| 96 | Allium govania-num | bulb | 500 mg/kg | 32.10% | 25% | Annual report 068/069 |
| 97 | Stephania gracilenta | tuber | 250 mg/kg | 92.60% | 75% | Annual report 068/069 |
| 98 | Astilbe rivularis | Rhizome | 200 mg/kg | 68.20% | 50% | Annual report 068/069 |
| 99 | Buddleja sp. | whole plant | 500 mg/kg | 73.80% | 50% | Annual report 068/069 |
| 100 | Verbascum thapsus | whole plant | 500 mg/kg | 78.80% | 50% | Annual report 068/069 |
| 101 | Quercus lanata | Seed | 200 mg/kg | 57.10% | 50% | Annual report 068/069 |
| 102 | Flemingia chappar | whole plant | 250 mg/kg | 63.40% | 50% | Annual report 068/069 |
| 103 | Ceropegia pubescens | bark | 500 mg/kg | 78.20% | 50% | Annual report 068/069 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 104 | Bryophyllum sp. | leaf | 250 mg/kg | 68.40% | 50% | Annual report 068/069 |
| 105 | Chlorophytum arundinaceum | Root tuber | 500 mg/kg | 85.70% | 75% | Annual report 068/069 |
| 106 | Quercus lanata | branch,twig | 250 mg/kg | 42.50% | 50% | Annual report 069/070 |
| 107 | Gentiana depressa | whole plant | 250 mg/kg | 34.30% | 75% | Annual report 069/070 |
| 108 | Anaphalis triplinervis | whole plant | 500 mg/kg | 64.70% | 50% | Annual report 069/070 |
| 109 | Gaultheria pyroloides | whole plant | 500 mg/kg | 46.80% | 33.33% | Annual report 069/070 |
| 110 | Morus sp. | leaves | 500 mg/kg | 54.70% | 50% | Annual report 069/070 |
| 111 | Tagetes minuta | whole plant | 500 mg/kg | 39.50% | 50% | Annual report 069/070 |
| 112 | Dioscorea bulbifera | tuber | 500 mg/kg | 75.60% | 50% | Annual report 069/070 |
| 113 | Trillidium govanianum | Rhizome | 500 mg/kg | 66.60% | 50% | Annual report 069/070 |
| 114 | Bombax ceiba | flower | 500 mg/kg | 66.60% | 50% | Annual report 069/070 |
| 115 | Rudbeckia vestiber | Rhizome | 500 mg/kg | 82.20% | 75% | Annual report 069/070 |
| 116 | Tagetes minuta | whole plant | 500 mg/kg | 35% | 25% | Annual report 069/070 |

2) Isolated Tissue Test

| S.N. | Name of plant | Part used | Isolated Tissue test | | Reference |
|---|---|---|---|---|---|
| | | | Blocking of Acetylcoline induced contraction of Rat ilium | Blocking of Oxytocin induced contraction of Rat uterus | |
| 1 | Zanthoxylum nepalense | twigs | 100% in 4mg | 0% in 4mg | Ann.rep.058/059 |
| 2 | Delphinium sp. | WP | 80% in 2mg | 25% in 4mg | Ann.rep.058/059 |
| 3 | Meconopsis dhwojii | WP | 50% in 2mg | 50% in 2mg | Ann.rep.058/059 |
| 4 | Mimosa pudica | WP | 9% im 4mg | 10% in 4mg | Ann.rep.058/059 |
| 5 | Hippophae salicifolia | branch | 0% in 4mg | 0% in 4mg | Ann.rep.058/059 |

| | | | | | |
|---|---|---|---|---|---|
| 6 | Bistorta amplexi-caulis | WP | 20% in 4mg | 72% in 4mg | Ann.rep.058/059 |
| 7 | Betula utilis | leaves | 20% in 4mg | No effect | Ann.rep.058/059 |
| 8 | Cordyceps sinensis | WP | 30% in 4mg | No effect | Ann.rep.058/059 |
| 9 | Mesua ferrea | bark | 20% in 4mg | No effect | Ann.rep.058/059 |
| 10 | Azadirachta indica | leaves | NA | 100% in 2mg | Ann.rep.058/059 |
| 11 | Coptis teeta | Rhizome | 100% in 250mg | 100% in 1mg | Ann.rep.059/060 |
| 12 | Paulownia fortunei | Seed | No effect | No effect | Ann.rep.059/060 |
| 13 | Murrya koenigii | branch | relaxation | 80% in 4mg | Ann.rep.059/060 |
| 14 | Sesamun indicum | WP | No effect | No effect | Ann.rep.059/060 |
| 15 | Didymocarpus leucocalyx | leaves | 100% in 1mg | 100% in 2mg | Ann.rep.059/060 |
| 16 | Lilame(innfd)V.N. | WP | No effect | No effect | Ann.rep.059/060 |
| 17 | Campylandra aurantiaca | WP | No effect | No effect | Ann.rep.060/061 |
| 18 | Leucas lavandu-laefolia | WP | 100% in 4mg | 40% in 4mg | Ann.rep.060/061 |
| 19 | Pityrogramma calomelanos | WP | 100% in 4mg | 100% in 4mg | Ann.rep.060/061 |
| 20 | Gaultheria num-mularioides | WP | No effect | No effect | Ann.rep.060/061 |
| 21 | Gymnema sylvestris | leaves | 100% in 4mg | 40% in 4mg | Ann.rep.060/061 |
| 22 | Elsholtzia strobil-ifera | WP | 60% in 4mg | 100% in 2mg | Ann.rep.060/061 |
| 23 | Didymocarpus leucocalyx | NA | relaxation | 100% in 2mg | Ann.rep.060/061 |
| 24 | Didymocarpus villosus | WP | 88% in 4mg | 89% in 4mg | Ann.rep.060/061 |
| 25 | Hyptis sauveolens | WP | No effect | No effect | Ann.rep.060/061 |
| 26 | Tinospora sinensis | stem | 50% in 4mg | 50% in 4mg | Ann.rep.060/061 |
| 27 | Duranta repens | branch | No effect | NA | Ann.rep.060/061 |
| 28 | Fungal extract | NA | No effect | No effect | Ann.rep.060/061 |

## Pharmacology section B (058-070)

| S.N. | Name of plant | Part used | Isolated Tissue test | | | Charcoal movement experiment on mice(% of Charcoal block) | Anti-convulsion test on mice | Reference |
|---|---|---|---|---|---|---|---|---|
| | | | Blocking of Acetylcoline induced contraction of Rat ilium | Blocking at Histamin induced contraction of Ginepig ilieum | Blocking at Histamin induced contraction at Rat Uterus | | | |
| 29 | Piper longum | Fruit spike | 100% in 1mg | 100% in 1mg | 100% in 2mg | 66% block | NA | Ann. rep.061/062 |
| 30 | Asparagus racemosus | Root | No effect | 72% in 2mg | No effect | 80% block | No effect | Ann. rep.061/062 |
| 31 | Boschniakia himalaica | branch | 25% in 1mg | 80% in 4mg | 20% in 4mg | 70% block | No effect | Ann. rep.061/062 |
| 32 | Cinnamomum tamala | leaves | No effect | No effect | 69% in 4mg | 40% block | No effect | Ann. rep.061/062 |
| 33 | Abies spectabilis | cone | No effect | 80% in 4mg | No effect | 80% block | No effect | Ann. rep.061/062 |
| 34 | Eriophyton wallichianum | WP | 86% in 1 mg | 100% in 2mg | 34% in 4mg | 62% block | No effect | Ann. rep.061/062 |
| 35 | Rhododendron arboroum | twigs | No effect | No effect | No effect | 80% block | No effect | Ann. rep.061/062 |
| 36 | Chlorophytum arundinaceum | branch | No effect | No effect | No effect | NA | NA | Ann. rep.061/062 |
| 37 | Juniperus recurva | twigs | 100% in 1mg | 100% in 1mg | 80% in 4mg | NA | NA | Ann. rep.061/062 |
| 38 | Oryris wightiana | branch | No effect | No effect | No effect | NA | NA | Ann. rep.061/062 |
| 39 | Pleione praecox | WP | No effect | 100% in 4mg | 100% in 4mg | NA | NA | Ann. rep.061/062 |

| S.N. | Name of plant | Part used | Isolated Tissue test | | | Charcoal move-ment experiment on mice(% of Charcoal block) | Anti-convulsion test on mice | Reference |
|---|---|---|---|---|---|---|---|---|
| | | | Blocking of Acetylcoline induced contraction of Rat ilium | Blocking at Histamin induced contraction of Ginepig ilieum | Blocking of Oxytocin induced contraction of Rat uterus | | | |
| 40 | Acacia concinna | Seed | No effect | No effect | No effect | 91% block | NA | Ann. rep.062/063 |
| 41 | Cassia fisula | Seed | No effect | No effect | No effect | No effect | NA | Ann. rep.062/063 |
| 42 | Potenilla fulgens | Seed | 34% in 4mg | 75% in 4mg | No effect | 77% block | NA | Ann. rep.062/063 |
| 43 | Taxus baccata | twigs | 40% in 4mg | 50% in 4mg | No effect | 72% block | No effect | Ann. rep.062/063 |
| 44 | Prunella vulgaris | twigs | 100% in 2mg | 100% in 2mg | No effect | 76% block | No effect | Ann. rep.062/063 |
| 45 | Larix him-alaica | twigs | 100% in 2mg | 100% in 2mg | 100% in 4mg | 63% block | NA | Ann. rep.062/063 |
| 46 | Morina longifolia | branch | 60% in 4mg | 70% in 4mg | 50% in 4mg | No effect | NA | Ann. rep.062/063 |
| 47 | Clematis montana | branch | 60% in 4mg | 100% in 2mg | No effect | 64% block | No effect | Ann. rep.062/063 |
| 48 | Thymus linearis | branch | 100% in 2mg | 100% in 2mg | 100% in 4mg | 87% block | No effect | Ann. rep.062/063 |
| 49 | Organum vulgaris | branch | 100% in 2mg | 100% in 2mg | 100% in 4mg | 78% block | No effect | Ann. rep.062/063 |
| 50 | Prunella vulgaris | stem | No effect | No effect | No effect | 90% block | No effect | Ann. rep.063/064 |
| 51 | Pterocarpus marsupium | stem | No effect | No effect | No effect | 85% block | No effect | Ann. rep.063/064 |
| 52 | Persea odora-tissima | bark | No effect | 50% in 4mg | No effect | 90% block | NA | Ann. rep.063/064 |
| 53 | Taxus wal-lichiana | twigs | 100% in 4mg | 100% in 4mg | No effect | 75% block | NA | Ann. rep.063/064 |
| 54 | Mallotus phil-ippinensis | fruits | 50% in 4mg | 75% in 4mg | No effect | No effect | NA | Ann. rep.063/064 |
| 55 | Paris poly-phylla | Root | No effect | 60% in 4mg | No effect | 70% block | NA | Ann. rep.063/064 |
| 56 | Usnea sp. | WP | 75% in 4mg | 100% in 2mg | 100% in 4mg | 60% block | NA | Ann. rep.063/064 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 57 | Rheum australe | stem | 70% in 4mg | 100% in 4mg | No effect | 90% block | No effect | Ann. rep.063/064 |
| 58 | Rubia manjith | stem | 65% in 4mg | 80% in 4mg | 40% in 4mg | 30% block | No effect | Ann. rep.063/064 |
| 59 | Euphorbia prostrata | stem | 60% in 4mg | 100% in 4mg | 30% in 4mg | 80% block | No effect | Ann. rep.063/064 |
| 60 | Neo-picrorhiza scrophulari-folia | | No effect | No effect | No effect | NA | NA | Ann. rep.063/064 |

| S.N. | Name of plant | Part used | Isolated Tissue test | | Charcoal move-ment ex-periment on mice(% of Charcoal block) | Anti-convulsion test on mice | Reference |
|---|---|---|---|---|---|---|---|
| | | | Blocking of Acetylcoline induced contraction of Rat ilium | Blocking at Histamin induced contraction of Ginepig ilieum | | | |
| 61 | Allium sativum | bulb | 25% in 4mg | No effect | No effect | No effect | Ann.rep. 064/065 |
| 62 | Carthamus tinctorius | flower | 25% in 4mg | 45% in 4mg | 79%in 500 mg/kg | No effect | Ann.rep. 064/065 |
| 63 | Persicaria varinafolia | twigs | 45% in 4mg | 80% in 4mg | 95% in 200mg/kg | No effect | Ann.rep. 064/065 |
| 64 | Phytolacca acinosa | twigs | 50% in 4mg | 50% in 4mg | 80% in 200 mg/kg | No effect | Ann.rep. 064/065 |
| 65 | Lobelia pyramidalis | stem & leaves | 70% in 4mg | 70% in 4mg | 80%in 500 mg/kg | No effect | Ann.rep. 064/065 |
| 66 | Urtica dioica | leaves | No effect | No effect | 76%in 500 mg/kg | No effect | Ann.rep. 064/065 |
| 67 | Bergenia ciliata | Rhizome | No effect | 100% in 4mg | 82%in 500 mg/kg | No effect | Ann.rep. 064/065 |
| 68 | Verbascum thapsus | inflore-scence | 50% in 4mg | No effect | 90%in 500 mg/kg | No effect | Ann.rep. 064/065 |
| 69 | Jurinea dolomiaea | stem | No effect | No effect | NA | No effect | Ann.rep. 064/065 |
| 70 | Artemesia carvifolia | stem | 100% in 4mg | 100% in 4mg | NA | No effect | Ann.rep. 064/065 |

| S.N. | Name of plant | Part used | Isolated Tissue test | | | Charcoal move-ment experi-ment on mice(% of Charcoal block) | Anti-con-vulsion test on mice | Reference |
|---|---|---|---|---|---|---|---|---|
| | | | Blocking of Ace-tylcoline induced contrac-tion of Rat ilium | Block-ing at Histamin induced contrac-tion of Ginepig ilieum | Block-ing of Oxytocin induced contrac-tion of Rat uterus | | | |
| 71 | Juglans regia | bark | 95% in 4mg | 79%in 4mg | No effect | 89%in 500 mg/kg | No effect | Ann. rep.065/066 |
| 72 | Rubia manjith | stem | No effect | 56% in 4mg | No effect | 75%in 500 mg/kg | No effect | Ann. rep.065/066 |
| 73 | Boehmeria rugulosa | bark | No effect | 55% in 4mg | No effect | 84%in 500 mg/kg | No effect | Ann. rep.065/066 |
| 74 | Prunella vulgaris | infloresc. | No effect | 90% in 4mg | No effect | 78%in 500 mg/kg | 25% effect | Ann. rep.065/066 |
| 75 | Persicaria polystachya | twigs | 100% in 4mg | 100% in 4mg | No effect | 90%in 500 mg/kg | 50% effect | Ann. rep.065/066 |
| 76 | Rauwolfia serpentina | Root | 100% in 4mg | 86% in 4mg | 100% in 4mg | 90%in 500 mg/kg | 50% effect | Ann. rep.065/066 |
| 77 | Eurya acuni-nata | twigs | No effect | NA | No effect | 80%in 500 mg/kg | No effect | Ann. rep.065/066 |
| 78 | Origanum majorana | WP | No effect | NA | No effect | 80%in 500 mg/kg | No effect | Ann. rep.065/066 |
| 79 | Desmodium multiflorum | leaf & fruits | 60% in 4mg | NA | No effect | 90%in 500 mg/kg | No effect | Ann. rep.065/066 |
| 80 | Campy-lotropis macrostyla | leaf & flower | 62% in 4mg | NA | No effect | NA | No effect | Ann. rep.065/066 |

| S.N. | Name of plant | Part used | Isolated Tissue test | | Charcoal move-ment experiment on mice(% of Charcoal block) | Anti-con-vulsion test on mice | Reference |
|---|---|---|---|---|---|---|---|
| | | | Blocking of Acetylcoline induced contraction of Rat ilium | Blocking of Oxytocin induced contraction of Rat uterus | | | |
| 81 | Bauhinia vahlii | twigs | No effect | No effect | 85%in 500 mg/kg | 75%in 800 | Ann.rep. 066/067 |
| 82 | Alnus nepal-ensis | twigs | No effect | No effect | 83%in 500 mg/kg | 75%in 800 | Ann.rep. 066/067 |
| 83 | Satyrium nepalensis | WP | 40% in 4mg | No effect | 86% in 400 mg/kg | No effect | Ann.rep. 066/067 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 84 | Osbeckia nepalensis | NA | No effect | No effect | 80% in 100 mg/kg | No effect | Ann.rep. 066/067 |
| 85 | Phyllanthus emblica | twigs | No effect | No effect | 85% in 200 mg/kg | 50%in 300 | Ann.rep. 066/067 |
| 86 | Syzygium cumini | twigs | 70% in 1mg | NA | 70% in 400 mg/kg | 50%in 800 | Ann.rep. 066/067 |
| 87 | Stellaria monosperma | Root | No effect | 38% in 4mg | No effect | No effect | Ann.rep. 066/067 |
| 88 | Zizyphus mauritiana | twigs | No effect | 40% in 4mg | 43% in 200 mg/kg | No effect | Ann.rep. 066/067 |
| 89 | Euphorbia wallichi | twigs | No effect | NA | 76% in 400 mg/kg | No effect | Ann.rep. 066/067 |
| 90 | Anaphalis cuneifolia | twigs | No effect | NA | 80% in 300 mg/kg | 25% in 400 | Ann.rep. 066/067 |

| S.N. | Name of plant | Part used | Isolated Tissue test | | | Charcoal movement experiment on mice(% of Charcoal block) | Anti-convulsion test on mice | Reference |
|---|---|---|---|---|---|---|---|---|
| | | | Blocking of Acetylcoline induced contraction of Rat ilium | Blocking at Histamin induced contraction of Ginepig ilieum | Blocking of Oxytocin induced contraction of Rat uterus | | | |
| 91 | Rhododendron sp. | Shoot | 65% in 4mg | 55% in 4mg | No effect | 87%in 100 mg/kg | No effect | Ann. rep.067/068 |
| 92 | Artemesia veptato | Shoot | 66% in 4mg | 55% in 4mg | 30% in 4mg | 73%in 600 mg/kg | No effect | Ann. rep.067/068 |
| 93 | Arctium Lappa | WP | 100% in 4mg | 100% in 4mg | 100% in 3mg | 60%in 250 mg/kg | No effect | Ann. rep.067/068 |
| 94 | Berberis mucrifolia | fruiting shoot | 50% in 4mg | 100% in 4mg | 100% in 2mg | 80%in 500 mg/kg | NA | Ann. rep.067/068 |
| 95 | Buddleja sp. | Shoot | 50% in 4mg | 75% in 4mg | No effect | 86%in 500 mg/kg | 60% | Ann. rep.067/068 |
| 96 | Inmula racemosa | WP | 85% in 4mg | 100% in 4mg | 68% in 4mg | 87%in 500 mg/kg | 75% | Ann. rep.067/068 |

| S.N. | Name of plant | Part used | Isolated Tissue test | | Charcoal movement experiment on mice(% of Charcoal block) | Anti-convulsion test on mice | Reference |
|---|---|---|---|---|---|---|---|
| | | | Blocking of Acetylcoline induced contraction of Rat ilium | Blocking of Oxytocin induced contraction of Rat uterus | | | |
| 97 | Oxytropis williarsii | WP | 45% in 4mg | No effect | 64%in 500 mg/kg | No effect | Ann.rep. 067/068 |
| 98 | Senecio lactus | Shoot | 95% in 4mg | 88% in 4mg | NA | No effect | Ann.rep. 067/068 |
| 99 | Rheum australe | Shoot | 75% in 4mg | No effect | 85%in 500 mg/kg | NA | Ann.rep. 067/068 |
| 100 | Cyanchum canescens | Shoot | 50% in 4mg | No effect | 83%in 250 mg/kg | No effect | Ann.rep. 067/068 |
| 101 | Allium govanianum | bulb | No effect | No effect | 41% in 500 mg/kg | No effect | Ann.rep. 068/069 |
| 102 | Stephania gracilenta | tuber | No effect | 40% in 4mg | 74%in 300 mg/kg | 50% | Ann.rep. 068/069 |
| 103 | Astilbe rivularis | Rhizome | 45% in 4mg | No effect | 90%in 200 mg/kg | No effect | Ann.rep. 068/069 |
| 104 | Buddleja sp. | whole plant | No effect | No effect | 62%in 250 mg/kg | No effect | Ann.rep. 068/069 |
| 105 | Verbascum thapsus | whole plant | No effect | No effect | 75%in 250 mg/kg | No effect | Ann.rep. 068/069 |
| 106 | Quercus lanata | Seed | No effect | No effect | 81% in 200 mg/kg | No effect | Ann.rep. 068/069 |
| 107 | Flemingia chappar | WP | 30% in 4mg | NA | 80% in 500 mg/kg | NA | Ann.rep. 068/069 |
| 108 | Ceropegia pubescens | bark | 100% in 6 mg | NA | 65% in 500 mg/kg | No effect | Ann.rep. 068/069 |
| 109 | Bryophyllum sp. | leaf | No effect | No effect | 80% in 500 mg/kg | No effect | Ann.rep. 068/069 |
| 110 | Chlorophytum arundinaceum | Root tuber | No effect | 20% in 4mg | 55%in 500 mg/kg | No effect | Ann.rep. 068/069 |

| S.N. | Name of plant | Part used | Charcoal movement experiment on mice(% of Charcoal block) | Anti-convulsion test on mice | Reference |
|---|---|---|---|---|---|
| 111 | Smallanthes sonchifolius | tuber | 40%in 600 mg/kg | No effect | Ann.rep.069/070 |
| 112 | Quercus lanata | branch, twig | 86%in 500 mg/kg | 50%effect | Ann.rep.069/070 |
| 113 | Gentiana depressa | WP | 70%in 600 mg/kg | No effect | Ann.rep.069/070 |
| 114 | Anaphalis triplinervis | WP | 79%in 600 mg/kg | No effect | Ann.rep.069/070 |
| 115 | Morus sp. | leaves | 44%in 300 mg/kg | NA | Ann.rep.069/070 |
| 116 | Tagetes minuta | WP | 84%in 300 mg/kg | No effect | Ann.rep.069/070 |
| 117 | Dioscorea bulbifera | tuber | 92%in 600 mg/kg | 50%effect | Ann.rep.069/070 |
| 118 | Trillidium govanianum | Rhizome | 70%in 300 mg/kg | No effect | Ann.rep.069/070 |
| 119 | Gaultheria pyroloides | WP | 73%in 600 mg/kg | No effect | Ann.rep.069/070 |
| 120 | Bombax ceiba | flower | 90%in 500 mg/kg | No effect | Ann.rep.069/070 |

| 3) Anti-helmentic test of plant extract | | | | | |
|---|---|---|---|---|---|
| S.N. | Name of plant | Part used | Dose | %effective | Reference |
| 1 | Lilame(innfd)V.N. | whole plant | 500mg/kg | 50% | Ann.rep.059/060 |
| 2 | Sesamun indicum | whole plant | 500mg/kg | 25% | Ann.rep.059/060 |
| 3 | Campylandra aurantiaca | whole plant | 500 mg/kg | 50% | Ann.rep.060/061 |
| 4 | Leucas lavandulaefolia | whole plant | 500 mg/kg | 25% | Ann.rep.060/061 |
| 5 | Pityrogramma calomelanos | whole plant | 500 mg/kg | 50% | Ann.rep.060/061 |
| 6 | Gaultheria nummularioides | whole plant | 500 mg/kg | 50% | Ann.rep.060/061 |
| 7 | Gymnema sylvestris | leaves | 500 mg/kg | 50% | Ann.rep.060/061 |
| 8 | Elsholtzia strobilifera | whole plant | 500 mg/kg | 50% | Ann.rep.060/061 |
| 9 | Didymocarpus villosus | whole plant | 500 mg/kg | 75% | Ann.rep.060/061 |
| 10 | Hyptis sauveolens | whole plant | 500 mg/kg | 50% | Ann.rep.060/061 |
| 11 | Tinospora sinensis | stem | 250 mg/kg | 25% | Ann.rep.060/061 |

| | | | | | |
|---|---|---|---|---|---|
| 12 | Duranta repens | branch | 250 mg/kg | 50% | Ann.rep.060/061 |
| 13 | Cryptomeria japonica | leaves | 250 mg/kg | 50% | Ann.rep.060/061 |
| 14 | Bergenia legulata | whole plant | 200 mg/kg | 50% | Ann.rep.060/061 |
| 15 | Piper longum | Fruit spike | 500 mg/kg | 25% | Ann.rep.061/062 |
| 16 | Asparagus racemosus | Root | 300 mg/kg | 50% | Ann.rep.061/062 |
| 17 | Boschniakia himalaica | branch | 175 mg/kg | 25% | Ann.rep.061/062 |
| 18 | Cinnamomum tamala | leaves | 500 mg/kg | 25% | Ann.rep.061/062 |
| 19 | Abies spectabilis | cone | 500 mg/kg | 25% | Ann.rep.061/062 |
| 20 | Eriophyton wallichianum | whole plant | 500 mg/kg | 50% | Ann.rep.061/062 |
| 21 | Chlorophytum arundinaceum | branch | 250 mg/kg | 75% | Ann.rep.061/062 |
| 22 | Juniperus recurva | twigs | 250 mg/kg | 75% | Ann.rep.061/062 |
| 23 | Oryris wightiana | branch | 250 mg/kg | 50% | Ann.rep.061/062 |
| 24 | Pleione praecox | whole plant | 250 mg/kg | 50% | Ann.rep.061/062 |
| 25 | Dicliptera bupleuroides | leaves | 500 mg/kg | 50% | Ann.rep.061/062 |
| 26 | Acacia concinna | Seed | 25 mg/kg | 25% | Ann.rep.062/063 |
| 27 | Cassia fisula | Seed | 500 mg/kg | 50% | Ann.rep.062/063 |
| 28 | Potenilla fulgens | Seed | 300 mg/kg | 50% | Ann.rep.062/063 |
| 29 | Taxus baccata | twigs | 100 mg/kg | 75% | Ann.rep.062/063 |
| 30 | Prunella vulgaris | twigs | 100 mg/kg | 50% | Ann.rep.062/063 |
| 31 | Larix himalaica | twigs | 100 mg/kg | 50% | Ann.rep.062/063 |
| 32 | Morina longifolia | branch | 500 mg/kg | 25% | Ann.rep.062/063 |
| 33 | Clematis montana | branch | 500 mg/kg | 50% | Ann.rep.062/063 |
| 34 | Thymus linearis | branch | 200 mg/kg | 50% | Ann.rep.062/063 |
| 35 | Organum vulgaris | branch | 350 mg/kg | 50% | Ann.rep.062/063 |
| 36 | Prunella vulgaris | stem | 300 mg/kg | 50% | Ann.rep.063/064 |
| 37 | Pterocarpus marsupium | stem | 200 mg/kg | 75% | Ann.rep.063/064 |
| 38 | Persea oloratissima | bark | 300 mg/kg | 50% | Ann.rep.063/064 |
| 39 | Taxus wallichiana | twigs | 500 mg/kg | 50% | Ann.rep.063/064 |

| | | | | | |
|---|---|---|---|---|---|
| 40 | Mallotus philip-pinensis | fruits | 500 mg/kg | 50% | Ann.rep.063/064 |
| 41 | Paris polyphylla | Root | 500 mg/kg | 75% | Ann.rep.063/064 |
| 42 | Usnea sp. | whole plant | 500 mg/kg | 75% | Ann.rep.063/064 |
| 43 | Rheum australe | stem | 250 mg/kg | 50% | Ann.rep.063/064 |
| 44 | Rubia manjith | stem | 300 mg/kg | 50% | Ann.rep.063/064 |
| 45 | Euphorbia prostrata | stem | 500 mg/kg | 50% | Ann.rep.063/064 |
| 46 | Allium sativum | bulb | 500 mg/kg | 50% | Ann.rep.064/065 |
| 47 | Carthamus tinctorius | flower | 400 mg/kg | 50% | Ann.rep.064/065 |
| 48 | Persicaria varinafolia | twigs | 200 mg/kg | 25% | Ann.rep.064/065 |
| 49 | Phytolacca acinosa | twigs | 200 mg/kg | 50% | Ann.rep.064/065 |
| 50 | Lobelia pyrami-dalis | stem & leaves | 450 mg/kg | 50% | Ann.rep.064/065 |
| 51 | Urtica dioica | leaves | 500 mg/kg | 25% | Ann.rep.064/065 |
| 52 | Jurinea dolo-miaea | stem | 500 mg/kg | 75% | Ann.rep.064/065 |
| 53 | Artemesia carvifolia | stem | 500 mg/kg | 50% | Ann.rep.064/065 |
| 54 | Bergenia ciliata | Rhizome | 500 mg/kg | 50% | Ann.rep.064/065 |
| 55 | Verbascum thapsus | inflorescence | 300 mg/kg | 50% | Ann.rep.064/065 |
| 56 | Dendrobium ammoenum | NA | 500 mg/kg | 33.30% | Ann.rep.065/066 |
| 57 | Dendrobium sp. | NA | 500 mg/kg | 66.60% | Ann.rep.065/066 |
| 58 | Juglans regia | bark | 500 mg/kg | 50% | Ann.rep.065/066 |
| 59 | Rubia manjith | stem | 500 mg/kg | 75% | Ann.rep.065/066 |
| 60 | Boehmeria rugulosa | bark | 500 mg/kg | 50% | Ann.rep.065/066 |
| 61 | Prunella vulgaris | inflorescence | 500 mg/kg | 50% | Ann.rep.065/066 |
| 62 | Persicaria polys-tachya | twigs | 500 mg/kg | 33.30% | Ann.rep.065/066 |
| 63 | Rauwolfia serpentina | Root | 250 mg/kg | 66.60% | Ann.rep.065/066 |
| 64 | Eurya acuninata | twigs | 500 mg/kg | 25% | Ann.rep.065/066 |

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|---|---|---|---|---|---|
| 65 | Origanum majorana | whole plant | 250 mg/kg | 75% | Ann.rep.065/066 |
| 66 | Desmodium multiflorum | leaf & fruits | 500 mg/kg | 50% | Ann.rep.065/066 |
| 67 | Campylotropis macrostyla | leaf & flower | 250 mg/kg | 50% | Ann.rep.065/066 |

| **4) Toxicity Test** | | | | |
|---|---|---|---|---|
| **S.n.** | **Name of plant** | **Part used** | **Acute toxicity (LD-50)mg/kg in mouse** | **Reference** |
| 1 | Zanthoxylum nepalense | twigs | 1000 | Ann.rep.058/059 |
| 2 | Delphinium sp. | whole plant | 800 | Ann.rep.058/059 |
| 3 | Meconopsis dhwojii | whole plant | 1000 | Ann.rep.058/059 |
| 4 | Mimosa pudica | whole plant | 800 | Ann.rep.058/059 |
| 5 | Hippophae salicifolia | branch | 800 | Ann.rep.058/059 |
| 6 | Bistorta amplexicaulis | whole plant | 400 | Ann.rep.058/059 |
| 7 | Betula utilis | leaves | 500 | Ann.rep.058/059 |
| 8 | Cordyceps sinensis | whole plant | 1000 | Ann.rep.058/059 |
| 9 | Mesua ferrea | bark | 200 | Ann.rep.058/059 |
| 10 | Azadirachta indica | leaves | 1000 | Ann.rep.058/059 |
| 11 | Coptis teeta | Rhizome | 100 | Ann.rep.059/060 |
| 12 | Paulownia fortunei | Seed | 100 | Ann.rep.059/060 |
| 13 | Murrya koenigii | branch | nontoxic | Ann.rep.059/060 |
| 14 | Sesamun indicum | whole plant | nontoxic | Ann.rep.059/060 |
| 15 | Didymocarpus leucocalyx | leaves | nontoxic | Ann.rep.059/060 |
| 16 | Lilame(innfd)V.N. | whole plant | 1000 | Ann.rep.059/060 |
| 17 | Campylandra aurantiaca | whole plant | 1000 (nontoxic) | Ann.rep.060/061 |
| 18 | Leucas lavandulaefolia | whole plant | 1000 (nontoxic) | Ann.rep.060/061 |
| 19 | Pityrogramma calomelanos | whole plant | 1000 (nontoxic) | Ann.rep.060/061 |
| 20 | Gaultheria nummularioides | whole plant | 500(50% death) | Ann.rep.060/061 |
| 21 | Gymnema sylvestris | leaves | 1000(50% death) | Ann.rep.060/061 |
| 22 | Elsholtzia strobilifera | whole plant | 1000 (nontoxic) | Ann.rep.060/061 |
| 23 | Didymocarpus leucocalyx | NA | 1000(50% death) | Ann.rep.060/061 |
| 24 | Didymocarpus villosus | whole plant | 1000 (nontoxic) | Ann.rep.060/061 |
| 25 | Hyptis sauveolens | whole plant | 1000 (nontoxic) | Ann.rep.060/061 |
| 26 | Tinospora sinensis | stem | 300(50% death) | Ann.rep.060/061 |

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|---|---|---|---|---|
| 27 | Duranta repens | branch | 500(50% death) | Ann.rep.060/061 |
| 28 | Fungal extract | NA | 1000 (nontoxic) | Ann.rep.060/061 |
| 29 | Piper longum | Fruit spike | 1000 | Ann.rep.061/062 |
| 30 | Asparagus racemosus | Root | 600 | Ann.rep.061/062 |
| 31 | Boschniakia himalaica | branch | 250 | Ann.rep.061/062 |
| 32 | Cinnamomum tamala | leaves | 1000 | Ann.rep.061/062 |
| 33 | Abies spectabilis | cone | 1000 | Ann.rep.061/062 |
| 34 | Eriophyton wallichianum | whole plant | 1000 | Ann.rep.061/062 |
| 35 | Rhododendron arboroum | twigs | 1000 | Ann.rep.061/062 |
| 36 | Chlorophytum arundinaceum | branch | 500 | Ann.rep.061/062 |
| 37 | Juniperus recurva | twigs | 250 | Ann.rep.061/062 |
| 38 | Oryris wightiana | branch | 125 | Ann.rep.061/062 |
| 39 | Pleione praecox | whole plant | 500 | Ann.rep.061/062 |
| 40 | Acacia concinna | Seed | 25 | Ann.rep.062/063 |
| 41 | Cassia fisula | Seed | 1000 | Ann.rep.062/063 |
| 42 | Potenilla fulgens | Seed | 600 | Ann.rep.062/063 |
| 43 | Taxus baccata | twigs | 200 | Ann.rep.062/063 |
| 44 | Prunella vulgaris | twigs | 150 | Ann.rep.062/063 |
| 45 | Larix himalaica | twigs | 200 | Ann.rep.062/063 |
| 46 | Morina longifolia | branch | 1000 | Ann.rep.062/063 |
| 47 | Clematis montana | branch | 1000 | Ann.rep.062/063 |
| 48 | Thymus linearis | branch | 400 | Ann.rep.062/063 |
| 49 | Organum vulgaris | branch | 700 | Ann.rep.062/063 |
| 50 | Prunella vulgaris | stem | 600 | Ann.rep.063/064 |
| 51 | Pterocarpus marsupium | stem | 400 | Ann.rep.063/064 |
| 52 | Persea odoratissima | bark | 800 | Ann.rep.063/064 |
| 53 | Taxus wallichiana | twigs | 1000 | Ann.rep.063/064 |
| 54 | Mallotus philippinensis | fruits | 1000 | Ann.rep.063/064 |
| 55 | Paris polyphylla | Root | 1000 | Ann.rep.063/064 |
| 56 | Usnea sp. | whole plant | 1000 | Ann.rep.063/064 |
| 57 | Rheum australe | stem | 500 | Ann.rep.063/064 |
| 58 | Rubia manjith | stem | 600 | Ann.rep.063/064 |
| 59 | Euphorbia prostrata | stem | 1000 | Ann.rep.063/064 |
| 60 | Neo-picrorhiza scrophularifolia | Rhizome | 1000 | Ann.rep.063/064 |
| 61 | Allium sativum | bulb | 1000 | Ann.rep.064/065 |

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|---|---|---|---|---|
| 62 | Carthamus tinctorius | flower | 1000 | Ann.rep.064/065 |
| 63 | Persicaria varinafolia | twigs | 400 | Ann.rep.064/065 |
| 64 | Phytolacca acinosa | twigs | 400 | Ann.rep.064/065 |
| 65 | Lobelia pyramidalis | stem & leaves | 900 | Ann.rep.064/065 |
| 66 | Urtica dioica | leaves | 1000 | Ann.rep.064/065 |
| 67 | Bergenia ciliata | Rhizome | 1000 | Ann.rep.064/065 |
| 68 | Verbascum thapsus | inflorescence | 500 | Ann.rep.064/065 |
| 69 | Jurinea dolomiaea | stem | 1000 | Ann.rep.064/065 |
| 70 | Artemesia carvifolia | stem | 1000 | Ann.rep.064/065 |
| 71 | Juglans regia | bark | 1000 | Ann.rep.065/066 |
| 72 | Rubia manjith | stem | 1000 | Ann.rep.065/066 |
| 73 | Boehmeria rugulosa | bark | 1000 | Ann.rep.065/066 |
| 74 | Prunella vulgaris | inflorescence | 1000 | Ann.rep.065/066 |
| 75 | Persicaria polystachya | twigs | 500 | Ann.rep.065/066 |
| 76 | Rauwolfia serpentina | Root | 500 | Ann.rep.065/066 |
| 77 | Eurya acuninata | twigs | 1000 | Ann.rep.065/066 |
| 78 | Origanum majorana | whole plant | 500 | Ann.rep.065/066 |
| 79 | Desmodium multiflorum | leaf & fruits | 1000 | Ann.rep.065/066 |
| 80 | Campylotropis macrostyla | leaf & flower | 500 | Ann.rep.065/066 |
| 81 | Bauhinia vahlii | twigs | 1000 | Ann.rep.066/067 |
| 82 | Alnus nepalensis | twigs | 1000 | Ann.rep.066/067 |
| 83 | Satyrium nepalensis | whole plant | 1000 | Ann.rep.066/067 |
| 84 | Osbeckia nepalensis | NA | 300 | Ann.rep.066/067 |
| 85 | Phyllanthus emblica | twigs | 600 | Ann.rep.066/067 |
| 86 | Syzygium cumini | twigs | 1000 | Ann.rep.066/067 |
| 87 | Stellaria monosperma | Root | 1000 | Ann.rep.066/067 |
| 88 | Zizyphus mauritiana | twigs | 600 | Ann.rep.066/067 |
| 89 | Euphorbia wallichi | twigs | 1000 | Ann.rep.066/067 |
| 90 | Anaphalis cuneifolia | twigs | 900 | Ann.rep.066/067 |
| 91 | Rhododendron sp. | Shoot | 200 | Ann.rep.067/068 |
| 92 | Artemesia veptato | Shoot | 1000 | Ann.rep.067/068 |
| 93 | Arctium Lappa | whole plant | 1000 | Ann.rep.067/068 |
| 94 | Berberis mucrifolia | fruiting shoot | 1000 | Ann.rep.067/068 |
| 95 | Buddleja sp. | Shoot | 1000 | Ann.rep.067/068 |
| 96 | Inmula racemosa | whole plant | 1000 | Ann.rep.067/068 |

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|---|---|---|---|---|
| 97 | Oxytropis williarsii | whole plant | 1000 | Ann.rep.067/068 |
| 98 | Senecio lactus | Shoot | 1000 | Ann.rep.067/068 |
| 99 | Rheum australe | Shoot | 1000 | Ann.rep.067/068 |
| 100 | Cyanchum canescens | Shoot | 400 | Ann.rep.067/068 |
| 101 | Allium govanianum | bulb | 1000 | Ann.rep.068/069 |
| 102 | Stephania gracilenta | tuber | 500 | Ann.rep.068/069 |
| 103 | Astilbe rivularis | Rhizome | 400 | Ann.rep.068/069 |
| 104 | Buddleja sp. | whole plant | 1000 | Ann.rep.068/069 |
| 105 | Verbascum thapsus | whole plant | 1000 | Ann.rep.068/069 |
| 106 | Quercus lanata | Seed | 400 | Ann.rep.068/069 |
| 107 | Flemingia chappar | whole plant | 500 | Ann.rep.068/069 |
| 108 | Ceropegia pubescens | bark | 1000 | Ann.rep.068/069 |
| 109 | Bryophyllum sp. | leaf | 1000 | Ann.rep.068/069 |
| 110 | Chlorophytum arundinaceum | Root tuber | 1000 | Ann.rep.068/069 |
| 111 | Smallanthes sonchifolius | tuber | 1000 | Ann.rep.069/070 |
| 112 | Quercus lanata | branch,twig | 600 | Ann.rep.069/070 |
| 113 | Gentiana depressa | whole plant | 1000 | Ann.rep.069/070 |
| 114 | Anaphalis triplinervis | whole plant | 1000 | Ann.rep.069/070 |
| 115 | Morus sp. | leaves | 1000 | Ann.rep.069/070 |
| 116 | Tagetes minuta | whole plant | 1000 | Ann.rep.069/070 |
| 117 | Dioscorea bulbifera | tuber | 1000 | Ann.rep.069/070 |
| 118 | Trillidium govanianum | Rhizome | 450 | Ann.rep.069/070 |
| 119 | Gaultheria pyroloides | whole plant | 350 | Ann.rep.069/070 |
| 120 | Bombax ceiba | flower | 1000 | Ann.rep.069/070 |
| 121 | Rhododendron hosysumii | branch | 400 | Ann.rep.069/070 |
| 122 | Rhododendron arbo(sub.sp cinnamom) | branch | 600 | Ann.rep.069/070 |
| 123 | Rhododendron campylecarpium | branch | 1000 | Ann.rep.069/070 |
| 124 | Rhododendron barbatesm | branch | 200 | Ann.rep.069/070 |
| 125 | Rhododendron compinulatum | branch | 100 | Ann.rep.069/070 |
| 126 | Rhododendron arborium | branch | 100 | Ann.rep.069/070 |
| 127 | Rhododendron thomsonii | branch | 100 | Ann.rep.069/070 |
| 128 | Rhododendron anthopogon | branch | NA | Ann.rep.069/070 |
| 129 | Rhododendron vaccimiodes | branch | 1000 | Ann.rep.069/070 |
| 130 | Rhododendron glaucophyllum | branch | 600 | Ann.rep.069/070 |

| S.N. | Name | Family | Fiscal year | Parts Used | Alk. | Gly. | Ste. | Ter. | Ta. | Sa | Fla. | V.O. | Cou. | R.C. | Pu. | Po. | E. | F.A. | CA. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Abies spectabilis | | 034/035 | | | | + | | + | | | + | | | | | | | |
| 2 | Abies spectabilis | | 061/062 | | | + | + | | + | + | | | + | | + | | | | |
| 3 | Abrus precatori-ous | | 030/031 | Seed | | + | | | | | | | | | | | | | |
| | | | | | | | | + | | | | | | | | | | | |
| 4 | Abrus preca-torius | | 060/061 | Branch | | | | | + | + | | | | | + | + | | | |
| 5 | Acaccia concinna | | 042-044 | Fruit | + | | | | | + | | | | + | | | | + | |
| 6 | Acacia catechu | | 035/036 | Extract | | + | | + | + | + | | | | | | | | | |
| 7 | Acacia concinna | | 062/063 | | | | + | + | + | | | | | | | | | | |
| 8 | Acacia modesta | | 036/037 | Resin | | | | | | + | | | | | | | | | + |
| 9 | Aconite spp. | | 030/031 | Rhizome | + | | | | | | | | | | | | | | |
| 10 | Acorus calamus | | 034/035 | Rhizome | + | | + | + | + | | | | | | | | | | |
| 11 | Adhatoda vasica | | 034/035 | | + | | + | + | + | | | | | | | | | | |
| 12 | Adiantum caudatum | | 034/035 | | | + | + | + | + | | | | | | | | | | |
| 13 | Aegle marmelos | | 035/036 | Fruits | + | | + | + | + | | + | | | | | | | | |
| 14 | Aegle marmelos | | 059/60 | Leaves | + | | + | + | + | + | + | + | | | | | | | |
| 15 | Allium humile | | 068/069 | Bulb | | | | | + | + | | + | | + | + | + | | | |
| 16 | Allium sativum | | 036/037 | Bulbs | + | | | | | | | | | | | | | | |
| 17 | Allium sativum | | 064/065 | Bulbs | | + | + | | + | + | | + | + | + | + | | | | |
| 18 | Alnus nepalensis | | 066/067 | Twig | | | + | + | + | | | + | | + | + | + | | | |
| 19 | Alstonia schtolaris | | 034/035 | | + | + | + | + | + | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | Amomum subulatum | | 035/036 | Fruits | | | | + | + | + | | | | | + | + | + | | |
| 21 | Amphy sp. | | 032/033 | | | | | | | | | | | | | | | + | |
| 22 | Anagalis arvensis | | 044/045 | Whole Plant | | | | + | + | + | | + | | + | + | | | | |
| 23 | Anaphalis cuneifolia | | 066/067 | | | | + | | + | + | | + | + | + | | + | | + | |
| 24 | Anaphalis triplinervis | | 069/070 | Whole Plant | | | + | | + | + | | + | | + | | + | | | |
| 25 | Annona squamosa | | 042-044 | Leaves | + | | | | + | + | | | | + | | | | + | |
| 26 | Arclepia canesens | | 067/068 | Shoot | | | + | | + | + | | + | | + | + | | | | + |
| 27 | Arctium lappa | | 067/068 | Whole Plant | | | + | + | + | + | | + | | + | + | + | | | |
| 28 | Arisaema concinum Schott. | | 032/033 | | + | + | + | + | | | | | | | | | | | |
| 29 | Arisaema costratum (wall) Martius | | 032/033 | | + | + | + | | | | | | | | | | | | |
| 30 | Artemisa carvifolia | | 064/065 | W. shoot parts | | | | + | + | + | | + | | + | + | + | | | |
| 31 | Artemisia vestita | | 067/068 | Shoot | | | + | + | + | + | | + | + | + | | + | | + | |
| 32 | Artocarpus lakoocha | | 042-044 | Bark | | | + | | | | | + | | trace | | | | | |
| 33 | Asparagus racemosus | | 033/034 | Root | | traces | | + | | + | | | | | | | | | |
| 34 | Asparagus racemosus | | 061/062 | | | | | | + | + | | | + | + | | + | | | |

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| 35 | Asparagus racemosus | | 063/064 | | | | + | | + | + | | + | + | + | + | + | | | |
| 36 | Asparagus racemosus | | 065/066 | Root | | | + | | + | + | | | + | + | + | + | | | |
| 37 | Asparagus sp. | | 063/064 | Root | | | + | | + | + | | + | + | + | + | + | | | |
| 38 | Asphaltum resinous | | 036/037 | | | | | + | | | | | | | | | | | |
| 39 | Astilbe rivularis | | 068/069 | Rhizome | | | | + | + | + | | + | + | + | + | | | | |
| 40 | Azadirachta indica | | 058/059 | Leaves | | | + | | + | | | | | | | | | | |
| 41 | Bauhinia vahlii | | 066/067 | Twig | | | + | | + | | | + | | + | + | + | | | + |
| 42 | Bauhinia varigata | | 037/038 | | | | + | + | + | + | | | | | | | | | |
| 43 | Benincasa spp. | | 030/031 | Fruit and seed | | + | + | + | | | | | | | | | | + | |
| 44 | Benincasa sps. | | 031/032 | Fruit seed | | + | + | | | | | | | | | | | + | |
| 45 | Berberis aristata | | 036/037 | Bark | + | | + | + | | | | | | | + | + | | | + |
| 46 | Berberis aristata | | 063/064 | Bark | + | | + | | + | + | + | + | + | + | + | | | | |
| 47 | Berberis mucrifolia | | 067/068 | Fruiting shoot | | | + | + | + | + | + | + | | + | | + | + | | + |
| 48 | Bergenia legulata | | 060/061 | Whole Plant | | | + | | + | | + | + | | | | | | | |
| 49 | Berginia ciliate | | 064/065 | Rhizome | | + | | | + | | | + | | + | + | + | | | |
| 50 | Berginia ciliate (Haw) Sternb. | | 032/033 | | | + | + | + | + | | | | | | | | | | |
| 51 | Betula alnoides | | 034/035 | | | + | + | + | + | + | | | | | | | | | |
| 52 | Betula alnoides | | 035/036 | Root/Bark | | | + | + | + | + | | | | + | + | | | | |
| 53 | Betula utilis | | 058/059 | Leaves | | | + | | + | | | | | | | | | | |

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| 54 | Bistorata vaccinifoli | | 064/065 | Twigs | | | + | | + | + | | + | | + | + | + | | | |
| 55 | Bistorta amplexicaulis | | 058/059 | Whole Plant | | + | + | | + | | | | | | | | | | |
| 56 | Bixa orellona | | 046/047 | Arial parts | | | + | + | | | | | | | | | | | |
| | + | | + | + | | + | | | | | | | | | | | | | |
| 57 | Boehmeria rugulosa | | 065/066 | Bark | | + | | + | + | + | + | + | + | + | + | + | | + | |
| 58 | Boeninghousenia albiflora | | 042-044 | Whole Plant | | | | + | + | + | + | + | | + | + | | | + | |
| 59 | Bombax ceiba | | 045/046 | | + | + | + | + | + | | + | | + | | | | | + | |
| 60 | Bombax ceiba | | 069/070 | Flower | | + | + | | + | | + | + | + | + | + | | + | | + |
| 61 | Boschniakia himalaica | | 061/062 | | | | | + | + | + | | | | + | + | | | | + |
| 62 | Bryophyllum sps. | | 068/069 | Leaf | | | + | | + | + | | + | | + | + | + | | | |
| 63 | Buddleja sps. | | 068/069 | Whole Plant | | | + | | + | + | | + | + | + | + | + | | | + |
| 64 | Buddleja tibetiea | | 067/068 | Shoot | | | + | | + | + | | + | | + | + | + | | | |
| 65 | Butia monosperma | | 037/038 | | + | | + | + | + | + | + | | | | + | | | | |
| 66 | | Callicarpa arborea | | 042-044 | Bark | | | | | + | + | | + | | + | + | | | |
| 67 | Campylandra aurantiaca | | 060/061 | Whole Plant | | | + | | + | + | | + | + | | | | | | |
| 68 | Campylotropis macrostyla | | 065/066 | Leaves & flower | | | + | | + | + | | + | | + | + | + | | + | + |
| 69 | Carthamus tinctorious | | 064/065 | Flowers | | | + | | + | | + | + | + | + | + | + | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70 | Carum carui | | 036/037 | Fruits | + | + | + | + | + | | + | | | | + | | | | + |
| 71 | Carum roxburghianum | | 036/037 | Fruits | | | + | + | + | + | | | + | | + | + | + | | + |
| 72 | Cassia fistula | | 062/063 | | | | + | + | + | + | | | | | + | | | | |
| 73 | Cassia fistula | | 062/063 | | | | + | trace | + | | | | | | + | | | | |
| 74 | Centella asiatica | | 031/032 | Leaf | + | + | + | | + | | | | | | | | | | |
| 75 | Centella asiatica (Linn) Urban syn. | | 032/033 | | Traces | + | + | + | | | | | | | | | | | |
| 76 | Cepadessa becifera | | 044/045 | Root bark | | | | + | + | + | | trace | | + | + | | | | |
| 77 | Ceropegia pubescens | | 068/069 | Bark | | | + | | | + | | + | | + | + | + | | | |
| 78 | Chlorophytum arundinaceum | | 061/062 | | | | | | | + | | | + | + | + | + | | | |
| 79 | Chorophytum arundinaceum | | 068/069 | Root tuber | + | | | + | + | + | | + | | + | + | + | | | |
| 80 | Cinnamomum tamala | | 034/035 | Bark | | | | + | + | + | + | | | | | | | | |
| 81 | Cinnamomum tamala | | 061/062 | | | | + | | + | + | | | + | + | | | | | |
| 82 | Cinnamomum zeylanicum | | 036/037 | Bark | | + | | + | + | + | + | | | | | | | | + |
| 83 | Clematis | | 033/034 | Stem | + | | + | + | | | | | | | | | | | |
| 84 | Clematis | | 033/034 | Root | | | | | | | | | | | | | | | |
| 85 | Clematis Montana | | 062/063 | | | | + | | + | + | | | | + | + | + | | | |
| 86 | Clerodendron viscosum | | 044/045 | Leaf | | | + | | + | + | | trace | | + | + | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 87 | Coccus lacca | | 036/037 | Gum | | | | + | + | | | | | | | | | | |
| 88 | Colebrookia appositifolia | | 044/045 | Leaves | | | | + | + | + | | + | | + | + | | | | |
| 89 | Coptis teeta | | 059/60 | Rhizome | + | | + | | + | + | | + | + | | | | | | |
| 90 | Cordyceps sinensis | | 058/059 | Whole Plant | | + | + | | | | | | | | | | + | | |
| 91 | Cryptomeria japonica | | 060/061 | Leaves | | + | + | | + | + | | + | | | + | | + | | |
| 92 | Cuminium cyathium | | 035/036 | Fruits | | | | + | + | | + | | | | + | | | | |
| 93 | Curculiago orchoides | | 035/036 | Fruits | Trace | | | | + | | | | | | + | + | | | |
| 94 | Cymbopogon schoenanthus | | 036/037 | Stem | | + | + | + | | | | | + | | + | | | | + |
| 95 | Cymbopogon schoenanthus | | 036/037 | Roots | | + | + | + | + | | | | + | | + | | | | |
| 96 | Cyperus rotundus | | 035/036 | Bulbs | | | | + | + | | | | | | + | + | | | |
| 97 | Cyperus scari-osus | | 046/047 | Stems | + | | | + | | + | + | + | | + | | | | | |
| 98 | Delphenium spp. | | 030/031 | Rhizome | + | | | | | | | | | | | | | | |
| 99 | Delphinium sp. | | 058/059 | Whole Plant | | | + | + | + | | | | | | | | | | |
| 100 | Delphiniun himalayai | | 063/064 | Root | + | | + | | | + | | + | + | + | + | + | | | |
| 101 | Dendrobium amoenum | | 064/065 | Whole Plant | | + | + | | + | + | | + | | + | + | + | | | |
| 102 | Desmodium multiflorum | | 065/066 | Leaves & fruits | | | + | + | + | + | | + | + | + | + | + | + | | + |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 103 | Desmotrichum fimbriatum | | 035/036 | Stem | | | | | | + | | | | | + | + | | | |
| 104 | Dichroa febrifuga | | 035/036 | Leaves | + | | + | | + | | | | | | + | + | | | |
| 105 | Dichroa febrifuge | | 035/036 | Roots | + | | + | + | | + | | | | + | + | | | | |
| 106 | Didymocarpus leucocalyx | | 059/60 | Leaves | | | + | | + | + | | + | | | | | | | |
| 107 | Didymocarpus villosus | | 060/061 | Whole Plant | | | + | | + | | | + | | | + | | | | |
| 108 | Digitalis lanata | | 034/035 | Leaf | | + | | | | + | + | | | | | | | | |
| 109 | Digitalis purpurea | | 034/035 | Leaf | | + | | | | + | + | | | | | | | | |
| 110 | Dimeria didrinda | | 045/046 | Whole Plant | + | | | | + | + | | | | | | | | | + |
| 111 | Dioscorea bulbifera | | 069/070 | Tuber | | | | | | | | | | | | | | | |
| 112 | Dolicher biflora | | 035/036 | Seeds | | | | | + | | + | | | | | | | | |
| 113 | Dryopteris filix-mas | | 034/035 | | | + | + | + | + | | | | | | | | | | |
| 114 | Duranta repens | | 060/061 | Branch | + | | + | | + | + | | + | + | | | | | | |
| 115 | Elaeocarpus sphericus | | 033/034 | Fruits | + | | | + | | | | | | | | | | | |
| 116 | Elatteria carda-momum | | 036/037 | Fruits | | | | + | | | | | | | | | + | | |
| 117 | Elephantopus scaber | | 044/045 | Root | | | + | | + | + | | | | + | + | | | | |
| 118 | Elsholtzia strobilifera | | 060/061 | Whole Plant | | | + | | + | + | | + | | | + | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 119 | Emblica officinalis | | 036/037 | Fruits | | | + | + | + | | + | | | | + | + | | | + |
| 120 | Emblica ribes | | 035/036 | Root/Bark | + | | | + | | + | | | | | + | + | | | |
| 121 | Eriophyton wallichianum | | 061/062 | | | | + | | + | | + | | | + | | | | | |
| 122 | Eupatorium | | 031/032 | Leaf | | + | | | | | | | | | | | | | |
| 123 | Euphorbia hirta | | 042-044 | Whole Plant | | | + | | + | + | + | + | | + | + | | | + | |
| 124 | Euphorbia hirta | | 044/045 | Whole Plant | | | + | | + | + | + | + | | + | + | | | + | |
| 125 | Euphorbia prostate | | 063/064 | Stem | | | + | | + | | | + | + | + | + | + | | | |
| 126 | Euphorbia wallichii | | 066/067 | Twig | | + | | + | + | + | | + | + | + | + | + | | | |
| 127 | Eurya acuminate | | 065/066 | Twigs | | | + | | + | + | | + | | + | + | + | | + | + |
| 128 | Ferula narthex | | 036/037 | Resin | | | | + | | | + | | + | | + | + | | | + |
| 129 | Ficus bengalensis | | 044/045 | Bark | | | | | + | | | + | | + | | | | + | |
| 130 | Flemingia chappar | | 068/069 | Whole Plant | | | + | | | | | + | | | | | | | + |
| 131 | Foeniculum vulgare | | 036/037 | Fruit | | | + | + | + | + | | | | | | | | | + |
| 132 | Fritillaris cerrosa | | 035/036 | Fruits | + | | | | | + | | | | | + | + | + | | |
| 133 | Galranum resis | | 035/036 | | | | | + | | | | | | | | | | | |
| 134 | Gaultheria nummularioides | | 060/061 | Whole Plant | | | + | | + | + | + | + | | | | | | | |
| 135 | Gaultheria pyroloides | | 069/070 | Whole Plant | | | + | | + | + | + | + | | + | + | | | | + |
| 136 | Gentiana depressa | | 069/070 | Whole Plant | | | + | | + | + | | | | + | + | + | + | | + |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 137 | Gnula kappa | | 067/068 | Whole Plant | | | + | | + | + | | + | | + | + | + | | | + |
| 138 | Gonostegia hirta (Blume) Mias | | 032/033 | | | | | | | | | | | | | | | | |
| 139 | Gymnema sylvestris | | 060/061 | Leaves | | | + | | + | + | | + | | | + | | | | |
| 140 | Hedychium densiflorum | | 037/038 | | | | | | | + | | | | | + | + | | | |
| 141 | Hippophae salicifolia | | 058/059 | Branch | | | + | | + | | | | | | | | | | |
| 142 | Holarrhiana antidysentrica | | 036/037 | Seeds | | + | | + | + | + | + | | | | | | | | |
| 143 | Hollarhiana antidysentrica | | 033/034 | Bark | + | + | + | + | | + | | | | | | | | | |
| 144 | Hyptis suaveo-lens | | 060/061 | Whole Plant | | | + | | + | + | | + | | | | | | | |
| 145 | Imperata cylindrical | | 044/045 | Whole Plant | | | + | | trace | + | | | | + | | | | | |
| 146 | Inntada phasiolis | | 035/036 | Seeds | | | | | + | + | | | | | | | | | |
| 147 | Innula cappa | | 042-044 | Root | | | | | + | + | | | | + | | + | | | |
| 148 | Inula racemosa | | 036/037 | Root | | | + | + | | + | | | | | + | + | | | + |
| 149 | Jatropa curcas | | 044/045 | Bark | | | + | | + | + | | | | + | + | | | | |
| 150 | Jhalictrum foliolosum | | 045/046 | Rhizomes | + | + | | | | | + | | | | | + | | | |
| 151 | Juglans regia | | 065/066 | Bark | | + | + | | + | + | + | + | + | + | + | + | | | + |
| 152 | Juniperus recurva | | 034/035 | | | + | | + | + | + | | | | | | | | | |
| 153 | Juniperus recurva | | 061/062 | | | + | + | + | + | | + | | + | + | + | + | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 154 | Jurinea dolomiaea | | 064/065 | Stem | | | + | + | + | + | | + | | + | + | + | | | |
| 155 | Kushum | | 034/035 | | | | | | | | | | | | | | | | |
| 156 | Larix himalaica | | 062/063 | | | | + | + | + | + | | | | | | | | | |
| 157 | Leacus cephalotus | | 046/047 | Whole Plant | | | + | + | + | + | | + | + | | | | | | |
| 158 | Leucas lavandulaefolia | | 060/061 | Whole Plant | | | + | | + | + | | + | | | | | | | |
| 159 | Lichen sp. | | 063/064 | | | | + | | | + | + | + | | + | + | | | | |
| 160 | Lilame (innfd) | | 059/60 | Whole Plant | | | + | | + | + | | + | | | | | | | |
| 161 | Lilium nepalensis D. Don | | 032/033 | | | + | + | traces | | | | | | | | | | | |
| 162 | Lipidium sativum | | 036/037 | Whole plant | | + | + | | + | + | + | | | | | | | | + |
| 163 | Lipidium sativum | | 037/038 | | | | + | | | + | + | | | | | + | | | + |
| 164 | Lippia nodiflora | | 044/045 | Whole Plant | | | + | | trace | + | + | + | | + | + | | | | |
| 165 | Lobelia pyramidalis | | 064/065 | Stem & leaves | + | | + | | + | + | | + | | + | | + | | | |
| 166 | Lobelia pyrimidalis | | 034/035 | Leaf | + | | + | + | + | | | | | | | | | | |
| 167 | Lucas aspera | | 033/034 | | + | | + | | | | | | | | | | | | |
| 168 | Mahonia nepaulensis | | 036/037 | Bark | + | | + | + | + | + | + | | + | | + | + | + | | + |
| 169 | Mallotus philippinensis | | 063/064 | Fruits | | | + | | + | + | | + | | + | | + | | | + |
| 170 | Mallotus phillippinensis | | 035/036 | Fruits | | | + | + | + | | | | | + | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 171 | Meconopsis dhwoji | | 058/059 | Whole Plant | | | + | | + | | | | | | | | | | |
| 172 | Melia | | 036/037 | Bark | | | + | + | + | + | | | | | + | + | + | | + |
| 173 | Messuaferre | | 046/047 | Bark | | | + | + | + | | | + | + | + | | + | | | |
| 174 | Mesua ferrea | | 058/059 | Bark | | | | | + | | | | | | | | | | |
| 175 | Michelia champaca | | 046/047 | Bark | + | | | + | + | + | + | + | + | + | | | | | |
| 176 | Micromeria biflora | | 035/036 | Whole Plant | | | + | + | + | | | | | + | | | | | |
| 177 | Mimosa pudica | | 058/059 | Whole Plant | | + | + | | + | | | | | | | | | | |
| 178 | Momordica charantia | | 036/037 | Fruits | + | | | | | + | | | | | + | + | | | + |
| 179 | Morina longifolia | | 042-044 | Root | | + | | | + | | | | | + | | | | + | |
| 180 | Morina longifolia | | 062/063 | | | | + | | + | + | | | | | | | | | |
| 181 | Moringa oleifera | | 042-044 | Leaves | + | | | | + | + | | | | + | | | | | |
| 182 | Morus spp. | | 069/070 | Leaves | | | + | | + | | | + | + | + | + | + | | | + |
| 183 | Murrya koenigii | | 059/60 | Branch | | | + | | + | + | | + | | | | | | | |
| 184 | Musae ferrae | | 036/037 | Flowers | | + | | + | + | + | + | | | | + | + | + | | + |
| 185 | Myrica esculenta | | 033/034 | | | | + | | + | + | | | | | | | | | |
| 186 | Myristica fragrans | | 035/036 | Fruits | + | | + | + | | | | | | | | | + | | |
| 187 | Nardostachys Jatamansi | | 034/035 | Rhizome | + | | | + | + | | | | | | | | | | |
| 188 | Neolitsia sps. | | 031/032 | seed | | + | + | | | | | | | | | | | + | |
| 189 | Neopicrorhiza scrophulariifolia | | 063/064 | Rhizome | | | + | | + | + | | + | + | + | + | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 190 | Neopicrorhiza scrophulariifolia | | 065/066 | | + | | + | + | + | + | | + | | + | + | + | | | |
| 191 | Orchid sps | | 036/037 | Rhizomes | | + | + | + | | | | | | | + | + | | | + |
| 192 | Orchis latifolia | | 036/037 | Rhizome | | | + | + | | + | | | | | + | + | + | | + |
| 193 | Organum vulgaris | | 062/063 | | | | + | | + | + | | | | + | | | | | |
| 194 | Origanum majorana | | 065/066 | Whole Plant | | | + | | + | + | | + | + | + | + | + | | | + |
| 195 | Osbeckia nepalense | | 066/067 | | | + | + | | + | + | + | + | | + | | + | | | + |
| 196 | Osbekia nepalensis | | 046/047 | Whole Plant | | | + | + | + | | + | + | | + | | + | | | |
| 197 | Osyris arborea | | 030/031 | Leaf | + | | | | | | | | | | | | | | |
| 198 | Osyris wightiana | | 061/062 | | | | + | | + | + | | | | + | + | | | | |
| 199 | Oxytropis williansii | | 067/068 | Whole Plant | | | + | + | | + | | + | | + | + | + | | | |
| 200 | Paris polyphylla | | 063/064 | Root | | | + | | | + | | | | + | + | | | | |
| 201 | Paris polyphylla | | 065/066 | | + | | + | | + | + | | + | + | + | + | + | | | |
| 202 | Paulownia fortunei | | 059/60 | Seed | | | + | | + | + | | + | | | | | | | |
| 203 | Persea odoratissima | | 063/064 | Bark | | + | + | + | + | | + | + | | + | + | + | + | | |
| 204 | Persicaria polystachya | | 065/066 | Twigs | | | + | | + | + | | + | + | + | + | + | | | |
| 205 | Phyllanthus emblia | | 066/067 | Twig | | | + | | + | + | | + | | + | + | + | | | + |
| 206 | Phytolacca acinosa | | 064/065 | Twigs | + | + | + | | + | + | | + | + | + | | + | | | + |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 207 | Picrorhiza kurroa | | 034/035 | Rhizome | | | | | | | | | | | | | | | |
| 208 | Picrorhiza scruphularifolia | | 033/034 | Root | | | + | + | | | | | | | | | | | |
| 209 | Pieris Formosa (Wall) D. Don | | 032/033 | | | | + | + | | | | | | | | | | | |
| 210 | Piper longum | | 035/036 | Fruits | + | | + | + | + | | + | | | | | | | | |
| 211 | Piper longum | | 061/062 | | | | + | | + | + | | | | | | | | | |
| 212 | Piper nigrum | | 035/036 | Fruits | + | | | + | | | | | | | | | | | |
| 213 | Pistacia | | 035/036 | Fruits | | | + | + | + | + | + | | | | + | + | | | |
| 214 | Pityrogramma calomelanos | | 060/061 | Whole Plant | | | + | | + | + | | + | | | | | | | |
| 215 | Pleione praecox | | 061/062 | | | | + | + | + | + | + | | | | + | + | | | |
| 216 | Plumbago zaylanicum | | 044/045 | Whole Plant | + | | + | | Trace | + | | + | | | + | + | | | |
| 217 | Plumbago zeylanica | | 036/037 | Stem | | + | + | + | + | + | + | | | | + | + | | | + |
| 218 | Plumeria rubra | | 044/045 | Bark | | | | + | | + | | | | + | | | | | |
| 219 | Polygonum milletae | | 031/032 | Rhizome | | + | + | | + | | | | | | | | | | |
| 220 | Pordulacca oleracea | | 044/045 | Whole Plant | | | | + | | + | | | | | + | | | + | |
| 221 | Potentialla peduncularis | | 042-044 | Root | | | + | | + | | | + | | + | + | | | | |
| 222 | Potentilla fulgens | | 062/063 | | | | + | | + | + | | | | | + | | | | |
| 223 | Potentilla fulgens | | 065/066 | | + | | | + | + | | | | + | + | + | + | | | |

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| 224 | Prunella vularis | | 065/066 | Inflorescence | | | + | | + | + | | + | | + | + | + | | | |
| 225 | Prunella vulgaris | | 063/064 | Stem | | | + | | + | + | | + | | + | + | + | | | |
| 226 | Pterocarpus marsupium | | 063/064 | Stem | | | + | | + | + | + | + | | + | + | + | | | |
| 227 | Pterocarpus santalinus | | 063/064 | Wood | | + | + | | + | | + | + | + | + | | | + | | |
| 228 | Punica granatum | | 035/036 | Seeds | | | + | + | + | | | | | | + | + | | | |
| 229 | Quercus lanata | | 069/070 | Branch | | | + | | + | + | + | + | | + | | + | | | |
| 230 | Quercus lanuginosa | | 068/069 | Seed | + | | + | + | + | | | + | | + | + | + | | + | + |
| 231 | Rauvolfia serpentina | | 065/066 | Root | + | | + | | | | | + | | + | + | + | | | |
| 232 | Reinwardtia trigyna | | 030/031 | root | - | - | - | | | | | | | | | | | | |
| 233 | Rheum austral | | 063/064 | Stem | | + | + | + | + | + | | + | + | + | | | + | | |
| 234 | Rheum austral | | 067/068 | Shoot | | | + | | | | | + | | | | | | | + |
| 235 | Rhododendron hodgsonii | | 067/068 | Leaf | | | + | + | + | + | | + | | + | + | + | | | + |
| 236 | Rhododendrum lapidium | | 046/047 | Twigs | | | + | + | + | + | + | + | | + | + | | | | |
| 237 | Ricinus communis | | 034/035 | | | + | + | + | + | | + | | | | | | | | |
| 238 | Rubia cordifolia | | 034/035 | Flowers | + | + | + | + | + | | + | | | | | | | | |
| 239 | Rubia manjith | | 063/064 | Stem | | + | + | | + | + | | + | | + | + | + | + | | |
| 240 | Rubia manjith | | 063/064 | | | + | + | | + | + | | + | | + | + | + | + | | |
| 241 | Rubia manjith | | 065/066 | Stem | | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 242 | Rudbeckia cultivar | | 069/070 | Rhizome | | | + | | + | + | | + | | + | + | + | + | | |
| 243 | Rumex nepalensis spring | | 032/033 | | | + | | | | | | | | | | | | | |
| 244 | Salvia coecinea | | 045/046 | | + | | | | + | + | | | + | | | + | | | |
| 245 | Salvia plebia | | 044/045 | Whole Plant | | | + | | + | | + | + | | + | | | | + | |
| 246 | Sapindus mukorossi | | 034/035 | | | + | | + | + | + | | | | | | | | | |
| 247 | Sarcococa coriacea | | 033/034 | Leaves | + | | + | | | | | | | | | | | | |
| 248 | Satyrium nepalense | | 066/067 | Twig | | | | + | + | | | + | | + | + | | | | |
| 249 | Saussurea lappa | | 063/064 | | | | + | | + | + | | + | + | + | + | + | | | |
| 250 | Schima wallichi | | 033/034 | Bark | | | + | | | + | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| 251 | Scoparia dulcis | | 033/034 | Whole plant | | + | | + | | + | | | | | | | | | |
| 252 | Scutelaria scandens | | 033/034 | Whole plant | | | | | | | | | | | | | | | |
| 253 | Senecio diversifolio | | 045/046 | | | | | | + | + | | | + | + | | + | | | |
| 254 | Senecio laetus | | 067/068 | Shoot | | | + | | | | | + | | | | | | + | |
| 255 | Sesamum indicum | | 059/60 | Whole Plant | | | + | | + | + | | + | | | | | + | | |
| 256 | Slephania glaudulifera | | 046/047 | Tubers | + | | + | + | | + | | + | | + | + | | | | + |
| 257 | Smilax microphylla | | 033/034 | stem | | + | | + | | + | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 258 | Smilax micro-phylla | | 033/034 | Root | | + | + | + | | + | | | | | | | | | + |
| | | | | | | | | | | | | | | | | | | | |
| 259 | Smilex micro-phylla | | 046/047 | Stems | | + | + | | | + | | + | | + | | | | | |
| 260 | Solanum khasianum | | 034/035 | Fruits | + | + | + | + | + | + | | | | | | | | | |
| 261 | Spharanthus renegalensis | | 044/045 | Flower | | | | + | + | + | | + | | | + | | | + | |
| 262 | Spinacea oleracea | | 036/037 | Whole plant | | | + | | + | + | | | | | | | | | + |
| 263 | Stellaria mono-speorma | | 066/067 | Root | | | + | | | | | + | + | + | + | + | | | |
| 264 | Stellaria muke-rjeana | | 046/047 | Whole Plant | | | + | | + | + | | + | | + | | | | | |
| 265 | Stephania gracilenta | | 068/069 | Tuber | | | | | + | + | | + | | + | + | + | | | |
| 266 | Strobilanthus Sps | | 032/033 | | | | traces | traces | | | | | | | | | | | |
| 267 | Swertia chirata | | 033/034 | Whole plant | | + | + | + | + | + | | | | | | | | | |
| 268 | Swertia chirata | | 034/035 | Whole Plant | + | | + | | | + | | | | | | | | | |
| 269 | Syzygium aromaticum | | 035/036 | Flower | | | | + | + | + | + | | | | | | | | |
| 270 | Syzygium cumini | | 066/067 | Twig | | | + | | | | | + | + | + | + | + | | | |
| 271 | Tadehagi triquatram | | 042-044 | Root | | | + | | | | | | | + | | | | + | |
| 272 | Tagetes minuta | | 069/070 | Whole Plant | | | + | | + | + | + | + | | + | + | + | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 273 | Taraxacum officinale | | 036/037 | Flowers | + | | + | | | | | | | | | | | | |
| 274 | Taxus baccata | | 059/60 | Powder | | | + | | + | + | | + | | | | | | | |
| 275 | Taxus buccata | | 062/063 | | | | + | | + | + | | | | | + | | | | |
| 276 | Taxus wallichiana | | 063/064 | Twigs | | | + | | + | | | + | | + | + | + | | | |
| 277 | Taxus wallichiana | | 063/064 | | | | + | | + | + | | + | + | + | + | + | | | |
| 278 | Tectona grandis | | 042-044 | Bark | | | | | + | + | | + | | + | | | | + | |
| 279 | Terminalia belerica | | 033/034 | Root | | | | + | | + | | | | | | | | | |
| 280 | Terminalia belerica | | 033/034 | Fruit | | + | + | | + | + | | | | | | | | | |
| 281 | Terminalia chebula | | 033/034 | Fruits | | + | + | | + | + | | | | | | | | | |
| 282 | Thalictrum cultratum | | 059/60 | | + | | | | + | + | | | | | | | | | |
| 283 | Thalictrum javonica | | 059/60 | | | | + | | + | + | | | | | | | | | |
| 284 | Thymus linearis | | 062/063 | | | | + | + | + | + | | | | + | + | | | | |
| 285 | Tinospora cordifolia Miers | | 032/033 | | + | Traces | Traces | Traces | | | | | | | | | | | |
| 286 | Tinospora sinensis | | 060/061 | Stem | | | + | | + | + | | + | | | | | | | |
| 287 | Trillidium govanianum | | 069/070 | Rhizome | | | + | | | + | | + | | + | + | + | + | | |
| 288 | Tylophora | | 034/035 | | | + | | + | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 289 | Uperculina turpethium | | 035/036 | Fruits | | | | | + | + | + | | | | + | + | | | |
| 290 | Urtica dioica | | 064/065 | Leaves | | | + | | + | + | | + | | + | + | + | | | + |
| 291 | Usnea sp. | | 063/064 | Whole Plant | | + | + | | + | + | | + | + | + | + | + | | | |
| 292 | Verbascum Thapsus | | 064/065 | Stem,Leaf & Inflorescence | | | | + | + | + | | + | + | + | + | + | | | |
| 293 | Verbascum thapsus | | 068/069 | Whole Plant | | | | + | + | + | | + | + | + | + | + | | | |
| 294 | Vinca rosea | | 030/031 | Leaf | + | | + | + | | | | | | | | | | | |
| 295 | Woodfordia fructicosa | | 037/038 | | | | + | + | + | + | + | | | | + | + | + | | + |
| 296 | Zanthoxylum armatum | | 034/035 | | + | + | | + | + | | + | | | | | | | | |
| 297 | Zanthoxylum nepalense | | 058/059 | Twigs | | | + | | + | | | | | | | | | | |
| 298 | Zingiber officinale | | 035/036 | Rhizome | | | | + | | | | | | + | | | | | |
| 299 | Zizyphus jujuba | | 036/037 | Fruits | | | | | | | | | | | + | + | | | + |
| 300 | Zizyphus mauritiana | | 066/067 | | | + | | | + | + | + | + | | + | | + | | | + |

# Abbreviations:

| | | | |
|---|---|---|---|
| Ba | Banke | Mu | Mugu |
| Bh | Bhojpur | Ne | Nepalgunj |
| C | Central Nepal | Pa | Palpa |
| Da | Damak | Pa | Pakharibas |
| De | Deurali | Path | Pathercot |
| Dh | Dhankuta | Sa | Salyan |
| Dha | Dharan | Sha | Shankuwasaba |
| Dhad | Dhading | Ta | Tansen |
| E | Eastern Nepal | Te | Teharathum |
| Go | Godawari | Tp | Taplejung |
| He | Hetaunda | Tr | Trisuli |
| Il | Ilam | W | Western Nepal |
| Ita | Itahari | Nar | Narayanghat |
| Ju | Jumla | Man | Manichur |
| Ka | Kathmandu | Tar | Tarahara |
| Kai | Kailali | Bai | Baitadi |
| Kav | Kavera | | |
| La | Langtang | | |
| M | Market | | |
| Ma | Makwanpur | | |

Abbreviations:
Blank- absence
+ = presence
Alk.-Alkaloid
Gly.-Glycoside
Ste.-Steroid
Ter.-Terpenoid
Ta.-Tannin
Sa.-Saponin
Fla.-Flavonoid
V.O.-Volatile oil
Cou.-Coumarin
R.C.-Reducing Compound
Pu.-Polyurenoid
Po.-Polyoses
E-Emodin
F.A.-Fatty Acid
CA.-Carotenoid

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