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## Standardized Herbal Extracts

Product	Bio - Markers & Limits	Method of Analysis	Major Application
Amla Extract ( <i>Emblica officinalis</i> )	Tannins 20 - 45%	Titration	Anti aging, Skin care, Hair care
Aloe vera Extract	Water soluble extractive NLT 50%	Gravimetric	Cosmetic
Andrographis Extract ( <i>Andrographis paniculata</i> )	Andrographolides 10 - 50%	HPLC	Liver support
Ashwagandha Extract ( <i>Withania somnifera</i> )	Withanolides 2.5-10% Total Withanolides 1.5-2.5%	Gravimetric HPLC	Immune support, Adaptogen
Bacopa Extract ( <i>Bacopa monniera</i> )	Bacosides 20 - 40%	HPLC	Memory Support
Banaba Extract ( <i>Lagerstroemia speciosa</i> )	Corosolic acid 1 - 3%	HPLC/UV	Blood sugar support, Weight management
Boswellia extract ( <i>Boswellia serrata</i> )	Boswellic acids 65 - 80%	HPLC / Titration	Skin Care, Bone Health Care
Bamboo Extract ( <i>Bambusa arundinacea</i> )	Natural Silica 75%	Gravimetry	Regulates menstrual period, Help digestion of proteins
Cal.Sennosides ( <i>Cassia angustofolia</i> )	Sennosides 10 - 60%	HPLC/UV	Laxative
Cissus Extract ( <i>Cissus quadrangularis</i> )	Total Ketosterones 5 - 10%	Gravimetric	Bone Health Care
Coleus forskohlii Extract ( <i>Coleus forskohlii</i> )	Forskolin NLT 10.0 - 40.0%	HPLC	Weight Management
Coffee bean Extract ( <i>Coffea Robusta</i> )	Chlorogenic acid 45 - 60%	HPLC/UV	Antioxidant, Weight management
Cinnamon extract ( <i>Cinnamum cassia</i> )	Polyphenols 10%-20%	UV	Anti diabetic, Antioxidant
Fenugreek Extract ( <i>Trigonella foenum graecum</i> )	Saponins 40 - 75%	Gravimetric	Blood Sugar Support, Cardiovascular Support
Garlic Extract ( <i>Allium sativum</i> )	Allicin Min.1.0%	HPLC	Cardiovascular Support
Guggul Extract ( <i>Commiphora mukul</i> )	Guggulsterones Min.2.5%	HPLC	Anti-inflammatory
Ginger extract ( <i>Zingiber officinalis</i> )	Gingerols 5 - 20%	HPLC	Digestive support, Anti-inflammatory
Gotu Kola Extract ( <i>Centella asiatica</i> )	Total Triterpenes 10 - 20%	HPLC / Gravimetric	Skin Care, Memory Support
Green Tea Extract ( <i>Camellia sinensis</i> )	Polyphenols 25 - 90%	UV	Anti-oxidant, Anti cancer
Gymnema Extract ( <i>Gymnema sylvestre</i> )	Gymnememic acid 25 - 75%	Gravimetric	Anti-diabetic, Stimulates heart, Circulatory system
Hydroxy Citric Acid Salts ( <i>Garcinia cambogia</i> )	Hydroxycitric acid 50 -60% Cal salt & water soluble salt	HPLC/AAS	Weight Management
White Kidney beans Extract ( <i>Phaseolus vulgaris</i> )	Amylase Inhibitory 10,000-20,000 unit/gm	Enzymatic	Weight Management
Licorice Extract ( <i>Glycyrrhiza glabra</i> )	Glycyrrhic Acid 10 - 20%	HPLC/ Gravimetric	Digestive support
Marigold extract	Lutein 10 - 20%	UV/HPLC	Natural food colour
Mucuna Extract ( <i>Mucuna pruriens</i> )	L-DOPA 10 - 50%	HPLC	Men's Health support
Momordica Extract ( <i>Momordica charantia</i> )	Bitter Principles 2.5 - 15%	Gravimetric	Blood Sugar Support
Moringa Extract ( <i>Moringa olifera</i> )	Saponins 10 - 20%	Gravimetric	Immunes Support
Neem Leaf Extract ( <i>Azadirachta indica</i> )	Bitter Principles 2.5 - 10%	Gravimetric	Antibacterial
Phyllanthus amarus Extract ( <i>Phyllanthus amarus</i> )	Bitter Principles 2.5 - 10%	Gravimetric	Hepatocare
Salacia Oblonga/ Reticulata	Total saponins 10 - 20%	Gravimetric	Anti-diabetic
Shatavari Extract ( <i>Asparagus racemosus</i> )	Saponins 20 - 75%	Gravimetric	Women's Health support
Shilajit Extract ( <i>Asphaltum</i> )	Total fulvic acid 10 - 20%	Gravimetric	Immune support
Safed musli ( <i>Chlorophytum borivilianum</i> )	Saponins 20 - 75%	Gravimetric	Men's Health support
Tribulus Extract ( <i>Tribulus terrestris</i> )	Saponins 20 - 75%	Gravimetric	Immune support
Trikatu extract ( <i>Ginger, Black pepper</i> )	Piperine 2.5%	UV/HPLC	Gastrointestinal disorders
Triphala Extract	Tannins 20 - 45%	Titration	Digestive Support Rejuvenator Laxative
Tulsi extract ( <i>Ocimum sanctum</i> )	Ursolic acid 1.5 - 2.5%	HPLC	Antipyretic, Anti cough & cold, Anti-oxidant
Turmeric Extract ( <i>Curcuma longa</i> )	Curcuminoids 95%	HPLC/UV	Antioxidant
Tinospora Extract ( <i>Tinospora cordifolia</i> )	Bitter 2.5 - 5%	Gravimetric	Immune Support
Vasaca Extract ( <i>Adhatoda vasaca</i> )	Alkaloids 1 - 5%	Gravimetric	Respiratory Support



Botanical Name	Common Name	Form	Use
Acacia concinna	Shikakai	Powder	Shampoo's Soaps
Acorus calamus	Sweet Flag	Powder/Paste	Aromatic, Dusting Powders, Skin Lotions
Allium Sativum	Garlic	Powder/ Paste	Promotes Skin healing
Aloe Vera Leaf	Aloe	Powder / Paste	Radio-protective Moisturizer, Sun screen
Alpinia galanga rhizome	Galanga	Powder/Paste	Aromatic, In dusting Powders
Avena sativa fruit	Oat	Powder / Paste	Skin tonic / Moisturizer
Azadirachta indica leaves	Neem	Powder / Paste	Tooth Pastes, Soaps, Shampoo's
Calendula officinalis flowers	Marigold	Paste	Promotes skin care
Cedrus deodara wood	Deodar	Powder/Paste	Shampoo's/Soaps
Centella Asiatica plant	Gotu Kola	Powder/Paste	Wound Healing
Coriandrum sativum seed	Coriander	Powder	Anti-inflammatory
Crocus sativus stigma	Saffron	Liquid	Post bath massage
Curcuma longa rhizome	Turmeric	Powder/Paste	Skin creams & lotions Antibacterial
Curcuma zedoaria rhizome	Zedoary	Powder/Paste	Antibacterial, Aromatic
Eclipta alba plant	Bhringraj	Powder/Paste	Shampoo's
Glycyrrhiza glabra root	Liquorice	Powder/Paste	Anti-inflammatory
Hibiscus rosa sinensis flowers	China rose	Paste	Shampoo's
Lawsonia alba leaves	Heena	Powder/Paste	In Shampoo's
Moringa oleifera seed	Benjamin	Oil	Hair Oils, Suntan Lotion
Rubia cordifolia root	Manjistha	Powder/Paste	Wound Healing
Sapindus trifoliatus fruit cortex	Soap wort	Powder	Natural Detergent

## P.G Extract for Cosmacutical Industries

Product Name	Botanical Name	Major Application
Amla Extract	Embilica officinalis	Anti aging, Skin, Hair Care
Bacopa Extract	Bacopa monniera	Memory Support
Caffeine powder	Coffee robusta	Help digestion of proteins
Cissus Extract	Cissus quadrangularis	Bone Health Care
Coffee bean Extract	Coffee robusta	Weight management
Cinamon extract	Cinnamum cassia	Anti diabetic, Antioxidant
Fenugreek Extract	Trigonella foenum graeum	Cardiovascular Support
Garlic Extract	Allium sativum	Cardiovascular Support
Green Tea Extrct	Camellia sinensis	Anti-oxidant, Anti cancer
Hydroxy Citric Acid	Garcinia cambogia	Weight Management
Licorice Extract	Glycyrrhiza glabra	Digestive support
Moringa Extract	Moringa olifera	Immunes Support
Shatavari Extract	Asparagus racemosus	Women's Health support
Shilajit Extract	Asphaltum	Immune support
Safed musli	Chlorophytum borivilianum	Men's Health support
Tribulus Extract	Tribulus terrestris	Immune support
Triphala Extract	Fruits of Amla, Beheda and Harda	Digestive Support Rejuvenator Laxative
Tulsi extract	Ocimum sanctum	Antipyretic, Anti cough and cold, Anti-oxidant

## Products for Beverage & Nutracutical Industries



Product Name	Complies	Application
Reserpine ( <i>Rauwolfia vomitoria</i> )	USP/BP	Ant-hypertensive
Colchicine ( <i>Gloriosa superba</i> )	USP/BP	Gout Suppressant
Thiocolchicosede ( <i>Gloriosa superba</i> )	FP/IP	Muscle relaxant
Methoxsalen ( <i>Ammi majis</i> )	USP	Anti Psoriasis
Yohimbin HCL ( <i>Pausinystalia johimbe</i> )	USP/BP	Antagonist agent
Natural Caffeine ( <i>Coffee robusta</i> )	98%	Antioxidant
Berberin HCL ( <i>Berberin aristata</i> )	98%	Antimicrobial

## Phyto Chemicals