

**Dr. Duke's Phytochemical and Ethnobotanical Databases**

**List of Plants for GUM**

Plant	Part	Low PPM	High PPM	StdDev	Reference
Symphytum officinale	Root	50000.0	100000.0	-0.2627053187642807	--
Larrea tridentata	Plant	39480.0	120000.0	-0.03568971197469381	--
Turnera diffusa	Leaf	31500.0	150000.0	1.114770742319334	--
Hydrangea arborescens	Root	31500.0	90000.0	-0.6755279625367215	--
Plantago major	Seed	30000.0	100000.0	-0.03920441342337547	--
Panax ginseng	Root	27560.0	130000.0	0.9757626125530419	--
Eriodictyon californicum	Leaf	26400.0	120000.0	0.4590232468373729	--
Echinacea purpurea	Root	20080.0	80000.0	-1.0883506063091624	--
Caulophyllum thalictroides	Root	17600.0	160000.0	2.2142305438703644	--
Astragalus membranaceus	Root	16000.0	100000.0	-0.2627053187642807	--
Eleutherococcus senticosus	Root	14700.0	70000.0	-1.5011732500816033	--
Parthenium integrifolium	Root	14400.0	90000.0	-0.6755279625367215	--
Valeriana officinalis	Root	14160.0	120000.0	0.562939968780601	--
Bupleurum chinense	Root	13200.0	120000.0	0.562939968780601	--
Asparagus officinalis	Root	11000.0	110000.0	0.15011732500816016	--
Scutellaria lateriflora	Plant	10960.0	120000.0	-0.03568971197469381	--
Juglans nigra	Pericarp	9600.0	80000.0		--
Trifolium pratense	Flower	9000.0	50000.0		--
Vaccinium macrocarpon	Fruit	6000.0	50000.0	-1.0	--
Acacia catechu	Plant				--
Hyoscyamus niger	Seed		62000.0	-0.337157955441029	--
Passiflora incarnata	Plant		2500.0	-1.377622882223181	--
Cypripedium pubescens	Root				--
Melia azedarach	Plant				--
Iris versicolor	Rhizome				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Piper cubeba	Fruit		80000.0	1.0	Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Citrus aurantium	Plant				--
Glycyrrhiza glabra	Plant				--
Sclerocarya caffra	Leaf		100000.0	0.021858249849398707	--
Eupatorium perfoliatum	Plant				--
Baptisia tinctoria	Plant				--
Cinnamomum verum	Bark				Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Zea mays	Silk Stigma Style		38000.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Cuminum cyminum	Fruit				--
Lactuca sativa	Leaf		26000.0	-1.595652239006106	--
Ceratonia siliqua	Seed		350000.0	1.921016257745398	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Turnera diffusa	Branches		135000.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Euphorbia hirta	Plant				--
Camellia sinensis	Leaf				--
Ferula assa-foetida	Plant		250000.0	1.4490023061725688	Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Tragopogon porrifolius	Seed		10000.0	-0.7448838550441339	--
Rhizophora mangle	Bark				--
Dioscorea bulbifera	Tuber		900.0		--
Garcinia hanburyi	Resin, Exudate, Sap				--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Geranium maculatum	Plant				--
Punica granatum	Petiole		32000.0		--
Myrica cerifera	Plant				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Senna occidentalis	Seed				--
Cuminum cyminum	Seed				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Phytolacca americana	Root				--
Holarrhena pubescens	Bark		95600.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Krameria triandra	Root				--
Chimaphila umbellata	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Hyssopus officinalis	Plant				--
Commiphora myrrha	Resin, Exudate, Sap		600000.0		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
Cola acuminata	Seed		3000.0	-0.7997700338368594	--
Peumus boldus	Plant				--
Picrasma excelsa	Wood				--
Laurus nobilis	Plant				--