

# C THIAMINE

## Chemid

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\*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Achillea millefolium	Plant	--	--		--
Allium sativum var. sativum	Root	2	5	0.14827404670978508	--
Aloe spp.	Leaf	--	0.8	-1.072469166954669	--
Althaea officinalis	Root	0.1	1	-0.665115009526749	--
Angelica sinensis	Root	--	--		--
Apium graveolens	Fruit	0.3	1.2	-1.081392271586632	--
Arctium lappa	Root	2.6	11	1.3683576310645862	--
Arctostaphylos uva-ursi	Leaf	0.1	1	-1.0237205684567294	--
Armoracia rusticana	Root	0.2	1	-0.665115009526749	--
Asparagus officinalis	Root	2	22	3.605177535715055	--
Astragalus membranaceus	Root	0.3	2	-0.46176774546761545	--
Avena sativa	Plant	0.4	2	-0.4618949437111338	--

<b>Plant</b>	<b>Part</b>	<b>Low PPM</b>	<b>High PPM</b>	<b>StdDev</b>	<b>Reference</b>
Berberis vulgaris	Bark	--	10	1.7500000000000002	--
Bupleurum chinense	Root	0.3	2.4	-0.380428839843962	--
Capsicum annuum	Fruit	1	4.2	0.35249803327962026	--
Carica papaya	Fruit	0.3	2.2	-0.6034288366312146	--
Carthamus tinctorius	Flower	--	--		--
Caulophyllum thalictroides	Root	1	9.3	1.0226672821640592	--
Centella asiatica	Leaf	1.5	14	2.1449383339093373	--
Chrysanthemum parthenium	Leaf	0.7	4.1	-0.26811729173866755	--
Cimicifuga racemosa	Root	--	--		--
Cnicus benedictus	Plant	0.4	2.7	-0.4218545151541315	--
Crataegus laevigata	Fruit	--	--		--
Curcuma longa	Plant	--	--		--
Dioscorea villosa	Root	0.3	1.1	-0.6447802831208357	--
Echinacea purpurea	Root	0.7	2.6	-0.3397593870321354	--
Eleutherococcus senticosus	Root	0.4	2	-0.46176774546761545	--
Ephedra sinica	Plant	10	47	2.112132606381872	--
Equisetum arvense	Plant	--	0	-0.5762961681597119	--
Eriodictyon californicum	Leaf	--	--		--
Eupatorium perfoliatum	Plant	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Euphrasia officinalis	Plant	0.7	4.3	-0.330333535595269	--
Foeniculum vulgare	Seed	0.5	4.4	-0.11137916580378542	--
Frangula purshiana	Bark	--	0	-0.7500000000000002	--
Fucus vesiculosus	Plant	--	0	-0.5762961681597119	--
Gentiana lutea	Root	2	7.8	0.717646386075359	--
Ginkgo biloba	Leaf	0.5	2	-0.7799775759670321	--
Glycyrrhiza glabra	Root	0.3	2.1	-0.4414330190617021	--
Gymnema sylvestre	Leaf	--	--		--
Harpagophytum procumbens	Root	--	--		--
Hibiscus sabdariffa	Flower	0.1	0.5	-1.3840402025670708	--
Humulus lupulus	Flower	0.6	3.4	0.4403764280895233	--
Hydrangea arborescens	Root	--	--		--
Hydrastis canadensis	Root	0.7	2.6	-0.3397593870321354	--
Inula helenium	Root	2.4	11	1.3683576310645862	--
Juglans nigra	Pericarp	0.2	2		--
Juglans nigra	Seed	2	2	-0.576266118723934	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
Juniperus communis	Fruit	0.4	1.2	-1.081392271586632	--
Larrea tridentata	Plant	2	5.1	-0.284573045815838	--
Lobelia inflata	Leaf	0.4	3.2	-0.4874859849793951	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Medicago sativa	Plant	0.4	1.9	-0.4676150049335628	--
Mentha x piperita	Leaf	2	12.1	1.6818266481789117	--
Myrica cerifera	Bark	--	--		--
Nepeta cataria	Plant	--	--		--
Panax ginseng	Root	0.4	1.7	-0.5227719246853555	--
Parthenium integrifolium	Root	0.3	2	-0.46176774546761545	--
Passiflora incarnata	Flower	--	--		--
Petroselinum crispum	Plant	0.2	2	-0.4618949437111338	--
Plantago major	Seed	--	--		--
Plantago psyllium	Seed	--	0	-0.9636719128240576	--
Quercus alba	Bark	--	0	-0.7500000000000002	--
Rosa canina	Fruit	0.7	3.8	0.16131265929745314	--
Rubus idaeus	Leaf	0.6	3.4	-0.43873738648145555	--
Rumex crispus	Root	2	8.1	0.7786505652930988	--
Ruscus aculeatus	Root	0.2	0.5	-0.7667886415563157	--
Salix alba	Bark	--	0	-0.7500000000000002	--
Salvia officinalis	Leaf	1.3	8.2	0.7312289774690919	--
Schisandra chinensis	Fruit	--	--		--
Scutellaria lateriflora	Plant	0.4	2.8	-0.41613445393170256	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Senna alexandrina	Leaf	2.3	11.3	1.4868322541871544	--
Serenoa repens	Fruit	0.7	5	0.7348687812439542	--
Silybum marianum	Leaf	0.7	3	-0.5362345834773347	--
Smilax officinalis	Root	0.2	0.9	-0.6854497359326622	--
Smilax spp	Root	0.2	0.9	-0.6854497359326622	--
Spirulina spp.	Plant	--	51	2.340935055279028	--
Stachys officinalis	Plant	--	--		--
Stellaria media	Plant	0.2	2.1	-0.4561748824887048	--
Symphytum officinale	Leaf	0.2	2.2	-0.7312289774690925	--
Tabebuia heptaphylla	Bark	--	--		--
Taraxacum officinale	Root	--	--		--
Thymus vulgaris	Leaf	1	5.5	0.07312289774690897	--
Trifolium pratense	Flower	0.8	4.2	0.9436637744775491	--
Trigonella foenum-graecum	Seed	2	13.5	1.6513171973517773	--
Turnera diffusa	Leaf	0.4	1.8	-0.8287261744649717	--
Ulmus rubra	Bark	0.8	5	0.5000000000000001	--
Urtica dioica	Leaf	1	5.4	0.04874859849793932	--
Vaccinium macrocarpon	Fruit	0.3	2.3	-0.555632493135673	--
Vaccinium myrtillus	Fruit	0.6	7.8	2.0731663991191227	--

<b>Plant</b>	<b>Part</b>	<b>Low PPM</b>	<b>High PPM</b>	<b>StdDev</b>	<b>Reference</b>
Valeriana officinalis	Root	0.2	1.6	-0.5431066510912689	--
Verbascum thapsus	Leaf	--	--		--
Yucca baccata	Root	0.5	2.4	-0.380428839843962	--
Zingiber officinale	Root	0.1	1.5	-0.5634413774971821	--