

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Castanea dentata*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
3	ALANINE	Seed	2469.0	4395.0	-1.2247208339534483	--
14	ARGININE	Seed	3808.0	6778.0	-0.7563593355139717	--
0	ASH	Seed	15600.0	28480.0	-0.5835094392192813	--
3	ASPARTIC-ACID	Seed	8071.0	14362.0	-0.7303539639293852	--
28	CALCIUM	Seed	240.0	427.0	-0.6831007885795778	--
0	CARBOHYDRATES	Seed	485700.0	864546.0	1.3557740358306156	--
12	COPPER	Seed	4.0	7.0	-0.7088108925859931	--
2	CYSTINE	Seed	1075.0	1913.0	-0.860531746364264	--
0	FAT	Seed	12600.0	24208.0	-1.2703791768104966	--
15	FIBER	Seed	19000.0	34176.0	-0.7943770701356515	--
8	GLUTAMIC-ACID	Seed	6204.0	11043.0	-1.294003440281808	--
12	GLYCINE	Seed	2268.0	4038.0	-0.9996711981382823	--
7	HISTIDINE	Seed	1230.0	2158.0	-1.0543741095415897	--
6	IRON	Seed	12.0	29.0	-0.5658880719080663	--
3	ISOLEUCINE	Seed	1931.0	3438.0	-0.9000443603932877	--
2	LEUCINE	Seed	2987.0	5335.0	-1.124356339934288	--
4	LYSINE	Seed	2687.0	4784.0	-0.9908030801486687	--
65	MAGNESIUM	Seed	790.0	1406.0	-0.6084849513485082	--
14	MANGANESE	Seed	19.0	44.0	-0.1186048828781413	--
15	METHIONINE	Seed	893.0	1589.0	-0.7038530245958979	--
7	PHENYLALANINE	Seed	2104.0	3746.0	-0.9307933558748294	--
4	PHOSPHORUS	Seed	960.0	1709.0	-0.9630532610610699	--
14	POTASSIUM	Seed	4720.0	7541.0	-0.44227270371714966	--
0	PROLINE	Seed	2141.0	3811.0	-1.478328304112292	--
0	PROTEIN	Seed	47700.0	87042.0	-1.3054534313358968	--
1	SERINE	Seed	2077.0	3697.0	-1.3180395121453823	--
1	SODIUM	Seed	30.0	53.0	-0.6315832480483937	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	TANNINS	Leaf	80000.0	90000.0	-0.05780388207392501	--
4	THREONINE	Seed	1904.0	3389.0	-1.0622025520293856	--
29	TRYPTOPHAN	Seed	537.0	957.0	-0.8075994083741	--
8	TYROSINE	Seed	1585.0	2822.0	-1.1395415047118291	--
3	VALINE	Seed	2596.0	4622.0	-0.9100939150891358	--
77	ZINC	Seed	10.0	24.0	-0.5999431273465632	--