

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Cyamopsis tetragonoloba*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
112	ASCORBIC-ACID	Fruit	--	490	-0.2540222790363039	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
112	ASCORBIC-ACID	Shoot	--	2800	-0.23555395280964694	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
7	ASTRAGALIN	Seed	--	--		Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar (<i>Cyamopsis tetragonoloba</i> L. Taub). J Sci Food Agr, 33: 461-470.
7	ASTRAGALIN	Leaf	--	--		Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar (<i>Cyamopsis tetragonoloba</i> L. Taub). J Sci Food Agr, 33: 461-470.
53	BETA-CAROTENE	Fruit	--	2	-0.14693466516508752	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
53	BETA-CAROTENE	Shoot	--	11	-0.6744401420904678	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
102	CAFFEIC-ACID	Seed	--	--		Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar (<i>Cyamopsis tetragonoloba</i> L. Taub). J Sci Food Agr, 33: 461-470.
28	CALCIUM	Fruit	--	1300	-0.5898896055857143	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Leaf	--	24200	0.3937598773084697	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Shoot	7430	19800	0.3692304919069643	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
77	CHLOROGENIC-ACID	Leaf	--	--		Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar (Cyamopsis tetragonoloba L. Taub). J Sci Food Agr, 33: 461-470.
77	CHLOROGENIC-ACID	Seed	--	--		Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar (Cyamopsis tetragonoloba L. Taub). J Sci Food Agr, 33: 461-470.
6	CONIFERYL-ALCOHOL	Fruit	--	--		Bajaj, K. L., Rani, M., Arora, Y. K. 1978. Polyphenols and Lignins of Mature Guar Pods (Cyamopsis tetragonolobus). Plant Biochem J, 5: 140-145.
51	ELLAGIC-ACID	Seed	--	--		Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar (Cyamopsis tetragonoloba L. Taub). J Sci Food Agr, 33: 461-470.
15	FIBER	Fruit	--	23000	-1.1198873805281946	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Leaf	97000	228000	0.8219169280936776	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Shoot	131000	258000	0.8880777335227723	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
62	GALLIC-ACID	Fruit	--	--		Bajaj, K. L., Rani, M., Arora, Y. K. 1978. Polyphenols and Lignins of Mature Guar Pods (Cyamopsis tetragonolobus). Plant Biochem J, 5: 140-145.
62	GALLIC-ACID	Seed	--	--		Kaushal, G. P., Bhatia, I. S. 1982. A Study of Polyphenols in the Seeds and Leaves of Guar (Cyamopsis tetragonoloba L. Taub). J Sci Food Agr, 33: 461-470.
8	GENTISIC-ACID	Fruit	--	--		Bajaj, K. L., Rani, M., Arora, Y. K. 1978. Polyphenols and Lignins of Mature Guar Pods (Cyamopsis tetragonolobus). Plant Biochem J, 5: 140-145.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	IRON	Fruit	--	58	-0.29741781491919245	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
6	IRON	Shoot	--	331	-0.2250517161113515	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	JUGLANIN	Fruit	--	--		Bajaj, K. L., Rani, M., Arora, Y. K. 1978. Polyphenols and Lignins of Mature Guar Pods (<i>Cyamopsis tetragonoloba</i>). <i>Plant Biochem J</i> , 5: 140-145.
75	KAEMPFEROL	Fruit	--	--		Daniel, M. 1989. Polyphenols of Some Indian Vegetables. <i>Curr Sci</i> , 58(23): 1332-1334.
27	LINOLEIC-ACID	Seed Oil	--	472000	0.3180948503279217	Varade, P. B., Misra, B. K., Sikka, K. C., Singh, S. P. 1984. Nutritive Assessment of Guar Oil (<i>Cyamopsis tetragonoloba</i> L. Taub). <i>J Agr Food Chem</i> , 32(5): 1073-1075.
6	MYRISTIC-ACID	Seed Oil	--	--		Varade, P. B., Misra, B. K., Sikka, K. C., Singh, S. P. 1984. Nutritive Assessment of Guar Oil (<i>Cyamopsis tetragonoloba</i> L. Taub). <i>J Agr Food Chem</i> , 32(5): 1073-1075.
18	OLEIC-ACID	Seed Oil	--	290000	-0.16298033837697343	Varade, P. B., Misra, B. K., Sikka, K. C., Singh, S. P. 1984. Nutritive Assessment of Guar Oil (<i>Cyamopsis tetragonoloba</i> L. Taub). <i>J Agr Food Chem</i> , 32(5): 1073-1075.
25	P-COUMARIC-ACID	Silk Stigma Style	--	--		Kandasamy, M. K. 1986. The Stigmatic Exudate of <i>Cyamopsis tetragonoloba</i> L. Taub. <i>Biochem Physiol Pflanz</i> , 181(8): 571-575.
13	PALMITIC-ACID	Seed Oil	--	179000	-0.01895036765611912	Varade, P. B., Misra, B. K., Sikka, K. C., Singh, S. P. 1984. Nutritive Assessment of Guar Oil (<i>Cyamopsis tetragonoloba</i> L. Taub). <i>J Agr Food Chem</i> , 32(5): 1073-1075.
4	PHOSPHORUS	Fruit	--	500	-0.8249556409969647	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	PHOSPHORUS	Leaf	--	2700	-0.41791805519896574	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	PHOSPHORUS	Shoot	1600	2855	-0.24195509734336013	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
14	POTASSIUM	Shoot	--	19100	-0.3338334397526517	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
43	PROTOCATECHUIC-ACID	Fruit	--	--		Bajaj, K. L., Rani, M., Arora, Y. K. 1978. Polyphenols and Lignins of Mature Guar Pods (<i>Cyamopsis tetragonoloba</i>). <i>Plant Biochem J</i> , 5: 140-145.
176	QUERCETIN	Fruit	--	--		Daniel, M. 1989. Polyphenols of Some Indian Vegetables. <i>Curr Sci</i> , 58(23): 1332-1334.
8	STEARIC-ACID	Seed Oil	--	58000	-0.46568311898509607	Varade, P. B., Misra, B. K., Sikka, K. C., Singh, S. P. 1984. Nutritive Assessment of Guar Oil (<i>Cyamopsis tetragonoloba</i> L. Taub). <i>J Agr Food Chem</i> , 32(5): 1073-1075.