

P **Abelmoschus moschatus**

Common Name(s)

Ambrette, Musk Okra, Muskmallow, Tropical Jewel Hibiscus

How Used

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Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(Z)-5-DODECENYL-ACETATE	Seed	0.2	0.6	
0	(Z)-5-TETRADECEN-14-OLIDE	Seed	10	30	
0	(Z)-5-TETRADECENYL-ACETATE	Seed	8	24	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	12,13-EPOXYOLEIC-ACID	Seed	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	2-TRANS-6-TRANS-FARNESOL	Seed	--	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	5-DODECENYL-ACETATE	Seed	1	1	
0	5-TETRADECEN-14-OLIDE	Seed	25	25	
0	5-TETRADECENYL-ACETATE	Seed	20	20	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
16	ACETIC-ACID	Seed	--	--	Wealth of India.
16	ACETIC-ACID	Plant	--	--	
0	ALPHA-CEPHALIN	Seed	--	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	AMBRETTOL	Plant	--	--	
0	AMBRETTOLIC-ACID	Seed	--	--	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	AMBRETTOLIDE	Seed	4	6	
0	AMBRETTOLIDE(=7-HEXADECEN-16-OLIDE)	Seed	--	--	
47	BETA-SITOSTEROL	Seed	--	--	Wealth of India.
0	BETA-SITOSTEROL-BETA-D-GLYCOSIDE	Seed	--	--	Wealth of India.
2	CAMPESTEROL	Seed	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	CHOLESTEROL	Seed	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	DECYL-ACETATE	Seed	350	350	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
0	DECYL-ALCOHOL	Seed	350	350	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	EO	Seed	2000	6000	-0.47464874093459924	
5	ERGOSTEROL	Seed	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
17	FARNESOL	Seed	--	1200	1	
0	FAT	Seed	145000	164000	-0.5340447093251126	Wealth of India.
15	FIBER	Seed	314600	370000	1.8573465898447123	Wealth of India.
6	FURFURAL	Seed	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
75	KAEMPFEROL	Flower	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	KAEMPFEROL-3-0-GLUCOSIDE	Flower	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	MALVALIC-ACID	Seed	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	METHIONINE-SULFOXIDE	Seed	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	METHIONINE-SULFOXIDE	Plant	--	--		
3	MUCILAGE	Root	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	MYRICICETIN	Flower	--	--	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	MYRICICETIN-3'-GLUCOSIDE	Flower	--	--	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
6	MYRISTIC-ACID	Seed	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
6	MYRISTIC-ACID	Plant	--	--	
18	OLEIC-ACID	Seed	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	OXACYCLONNONADEC-10-EN-2-ONE	Seed	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
13	PALMITIC-ACID	Plant	--	--	
13	PALMITIC-ACID	Seed	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	PHOSPHATIDYL-SERINE	Seed	--	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	PHOSPHATIDYLCHOLINE-PLASMALOGEN	Seed	--	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

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0	PHOSPHATIDYLCHOLINE-PLASMALOGEN	Plant	--	--		
0	PHOSPHATIDYLSERINE-PLASMALOGEN	Plant	--	--		
0	PHOSPHATIDYLSERINE-PLASMALOGEN	Seed	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	PINEOL	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	PROTEIN	Seed	23000	26000	-1.8484536336472293	Wealth of India.
176	QUERCETIN	Flower	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
2	QUERCETIN-3'-GLUCOSIDE	Flower	--	--		Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	RESIN	Seed	--	65000	-0.4413089361281032	Wealth of India.
5	STARCH	Seed	133500	150000	-0.6485575814204301	Wealth of India.
4	STERCULIC-ACID	Seed	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
12	STIGMASTEROL	Seed	--	--		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	TRANS-TRANS-FARNESYL-ACETATE	Seed	--	--		
0	WATER	Seed	--	114000	-0.43595782900284474	Wealth of India.