

# P Acacia farnesiana

## Common Name(s)

Cassie, Huisache, Opopanax, Popinac, Sweet Acacia

## How Used

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Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	(+)-CATECHOL	Plant	--	--	J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	(+)-GALLOCATECHOL	Plant	--	--	J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	3-METHYL-3-E-NONEN-1-OIC-ACID	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
0	3-METHYL-3-E-NONEN-1-OIC-ACID	Flower	--	--	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	3-METHYL-3-Z-DECEN-1-OL	Flower	--	--	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	3-METHYL-3-Z-DECEN-1-OL	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.
0	3-METHYL-3-Z-NONENOIC-ACID	Plant	--	--	Pakistan Encyclopedia Planta Medica. 1986.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	3-METHYL-3-Z-NONENOIC-ACID	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	4-HYDROXY-PIPECOLIC-ACID	Plant	--	--		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.
3	ALANINE	Leaf	3440	18450	1.3615480815328946	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	ALPHA-IONONE	Flower	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
2	ALPHA-SPINASTEROL	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
2	ALPHA-SPINASTEROL	Seed	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
23	ALPHA-TERPINEOL	Flower	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	AMINO-ACIDS	Plant	--	--		
7	ANISALDEHYDE	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	APIGENIN-6,8-BIS-(C-BETA-D-GLUCOPYRANOSIDE)	Leaf	--	--		
0	APIGENIN-6,8-BIS-BETA-D-GLUCOPYRANOSIDE	Plant	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
14	ARGININE	Leaf	7360	39480	1.3871175969782887	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	AROMADENDRIN	Plant	--	--		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.
112	ASCORBIC-ACID	Leaf	490	2636	-0.19933288649781924	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ASH	Leaf	10000	53800	-1.146130957061661	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	ASPARTIC-ACID	Plant	7040	37770	1.3374636299085358	
24	BENZALDEHYDE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
24	BENZALDEHYDE	Flower	--	--		Pakistan Encyclopedia Planta Medica. 1986.
20	BENZOIC-ACID	Flower	--	--		
20	BENZOIC-ACID	Plant	--	--		
9	BENZYL-ALCOHOL	Flower	--	--		
53	BETA-CAROTENE	Leaf	120	646	1.6753562972527778	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	BETA-GERANIOL	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	BETA-GERANIOL	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
13	BETA-IONONE	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	BUTYRIC-ACID	Flower	--	--		
6	BUTYRIC-ACID	Plant	--	--		
28	CALCIUM	Leaf	930	5003	-0.917925931191467	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Seed	3900	5500	0.24859598148301348	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	CAMPESTEROL	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
2	CAMPESTEROL	Seed	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	CARBOHYDRATES	Leaf	90000	484200	-1.0151486657995317	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CARBOHYDRATES	Seed	730000	770000	0.9800291311468579	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	CHOLESTEROL	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
1	CHOLESTEROL	Seed	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	CIS-3-METHYL-DEC-3-EN-1-OL	Flower	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	CIS-3-METHYL-DEC-3-ENOIC-ACID	Flower	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
57	COUMARIN	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
57	COUMARIN	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	CRESOLS	Plant	--	--		
0	CRESOLS	Flower	--	--		Wealth of India.
10	CUMINALDEHYDE	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
10	CUMINALDEHYDE	Plant	--	--		
0	CUMINIC-ALCOHOL	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	CYSTINE	Seed	700	750	-1.6696102828167267	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	DECYL-ALDEHYDE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
0	DECYL-ALDEHYDE	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	DIHYDROACTINIDIOLIDE	Flower	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
0	EICOSANE	Plant	--	--		
0	EICOSANE	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
51	ELLAGIC-ACID	Plant	--	--		
51	ELLAGIC-ACID	Fruit	--	--		
0	EO	Flower	5000	50000	1.241286294843234	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	ETHYL-ESTER	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
0	ETHYL-PHENOL	Flower	--	--		
76	EUGENOL	Flower	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
17	FARNESOL	Plant	--	--		
17	FARNESOL	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	FAT	Seed	20000	78000	-0.9870374714555853	
0	FAT	Leaf	6000	32280	-0.48187178239214123	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Leaf	57000	306000	1.786476373006545	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
62	GALLIC-ACID	Plant	--	--		
62	GALLIC-ACID	Flower	--	--		Wealth of India.
35	GERANIOL	Flower	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
5	GERANYL-ACETATE	Flower	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
8	GLUTAMIC-ACID	Leaf	10080	54070	0.8730215200517875	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
12	GLYCINE	Leaf	2720	14590	1.1085158262772645	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
9	HCN	Leaf	--	4.495	-1.1674032562088021	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.
7	HISTIDINE	Leaf	1840	9870	2.255186144347604	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	HYDROCYANIC-ACID	Leaf	--	4.495	-1	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	HYDROXYACETOPHENONE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
6	IRON	Leaf	37	199	-0.4161653734377091	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
3	ISOLEUCINE	Leaf	2800	15020	0.7615009868426974	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	ISOLEUCINE	Seed	1075	1100	-1.1983767279324409	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	ISORHAMNETIN-3,7-GLUCORHAMNOSIDE	Flower	--	--		Wealth of India.
2	ISORHAMNETIN-3-RUTINOSIDE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
75	KAEMPFEROL	Fruit	--	--		
75	KAEMPFEROL	Plant	--	--		
0	KAEMPFEROL-7-DIGLUCOSIDE	Fruit	--	--		Wealth of India.
0	KAEMPFEROL-7-GALLOYLGLUCOSE	Plant	--	--		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.
1	KAEMPFEROL-7-GLUCOSIDE	Plant	--	--		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	LEUCINE	Leaf	6000	32190	2.414102856680727	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	LEUCINE	Seed	3700	3750	-1.27607066721136	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.



Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	LINALOL	Flower	--	--		
53	LINALOOL	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
53	LINALOOL	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
7	LINALYL-ACETATE	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
7	LINALYL-ACETATE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
2	LINAMARIN	Plant	--	--		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.
27	LINOLEIC-ACID	Seed	12800	50000	-0.48942865171816513	
2	LOTAUSTRALIN	Plant	--	--		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.
4	LYSINE	Leaf	3760	20170	1.6628021945345992	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	LYSINE	Seed	1750	1800	-1.3950017923225162	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	M-DIGALLIC-ACID	Fruit	--	--		
0	M-DIGALLIC-ACID	Plant	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
15	METHIONINE	Seed	175	200	-1.0625192949985425	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.
15	METHIONINE	Leaf	700	3860	0.6425258768913413	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
20	METHYL-EUGENOL	Flower	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
16	METHYL-GALLATE	Fruit	--	--		
16	METHYL-GALLATE	Plant	--	--		
21	METHYL-SALICYLATE	Flower	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	MUCILAGE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
0	MYRICETIN-4'-METHYLEETHER-3-RHAMNOSIDE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	N-ACETYL-DJENKKOLIC-ACID	Seed	--	--		
0	N-ACETYL-DJENKKOLIC-ACID	Plant	--	--		
0	N-METHYL-BETA-PHENETHYLAMINE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
0	N-METHYL-BETA-PHENETHYLAMINE	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
56	NARINGENIN	Fruit	--	--		Wealth of India.
0	NARINGENIN-7-DIGLUCOSIDE	Fruit	--	--		Wealth of India.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	NARINGENIN-7-GLUCOSIDE	Plant	--	--		
0	NARINGENIN-7-GLUCOSIDE	Fruit	--	--		
0	NARINGENIN-7-RHAMNOGLUCOSIDE	Fruit	--	--		
0	NARINGENIN-7-RHAMNOGLUCOSIDE	Plant	--	--		
11	NEROLIDOL	Flower	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
39	NIACIN	Leaf	85	457	4.37280098796833	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	NITROGEN	Leaf	12800	68800	1.2507839376624452	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	NONACOSANE	Flower	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
2	NONACOSANE	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
18	OLEIC-ACID	Seed	4200	16000	-0.847570817071624	
8	P-CRESOL	Flower	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
13	PALMITIC-ACID	Seed	2400	9500	-0.503585224724406	
13	PALMITIC-ACID	Flower	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
7	PHENYLALANINE	Leaf	2800	15020	1.2243440357218753	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
7	PHENYLALANINE	Seed	1450	1500	-1.1990056353773155	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.
4	PHOSPHORUS	Leaf	840	4519	-0.08324574404567579	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	PHOSPHORUS	Seed	2000	2700	-0.7011725748825549	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	PINITOL	Flower	--	--		Wealth of India.
2	PIPECOLIC-ACID	Plant	--	--		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	PROLINE	Leaf	4080	21890	1.5418615186449842	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Leaf	80000	430000	2.1763064193199195	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Seed	209000	550000	2.812797734445859	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PRUNIN-O-6'-GALLATE	Plant	--	--		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	QUERCETIN-3-O-RUTINOSIDE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
15	RIBOFLAVIN	Leaf	2	9	-0.13567415267130314	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
87	RUTIN	Leaf	--	--		Wealth of India.
34	SALICYLIC-ACID	Plant	--	--		
34	SALICYLIC-ACID	Flower	--	--		
1	SERINE	Leaf	3280	17600	1.5524961353748998	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	SITOSTEROL	Seed	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	SITOSTEROL	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
8	STEARIC-ACID	Seed	600	2300	-0.515487850383026	
12	STIGMASTEROL	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
12	STIGMASTEROL	Seed	--	--		Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
0	TANNINS	Fruit	110000	322000	2.5553598458512568	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.
31	THIAMIN	Leaf	2	11	0.5617191393000665	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	THREONINE	Leaf	2000	10730	0.3153628468971734	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
4	THREONINE	Seed	1050	1100	-1.574239291812439	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	TRANS-3-METHYL-DEC-4-ENOIC-ACID	Flower	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
3	TRIACONTANOL	Leaf	--	--		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.
29	TRYPTOPHAN	Seed	440	450	-0.9805035053762663	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.
11	TYRAMINE	Plant	--	--		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.
8	TYROSINE	Leaf	2240	12010	1.1112099488478182	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	VALINE	Leaf	3120	16740	1.1346165716482157	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	VALINE	Seed	1600	1650	-1.2761249121679237	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	WATER	Leaf	814000	814000	0.031741499590285306	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses