

P Musa x paradisiaca

Common Name(s)

Banana, Plantain

How Used

F

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	(-)-SALSOLINOL	Fruit	--	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	(24R)-4,14,24-TRIMETHYL-5ALPHA-CHOLESTA-8,25(27)-DIEN-3-BETA-OL	Plant	--	--	J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	(24R)-4-ALPHA-14-ALPHA-24-TRIMETHYL-...	Plant	--	--	
0	(24R)-4ALPHA,14ALPHA,24-TRIMETHYL-5ALPHA-CHOLESTA-8,25(27)-3BETA-OL	Plant	--	--	
0	(24S)-14ALPHA,24-DIMETHYL-9BETA,19-CYCLO-5ALPHA-CHOLEST-25EN-3BETA-OL	Plant	--	--	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	(24S)-24-METHYL-25-DEHYDROCHOLESTEROL	Fruit	--	--		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	2,4-METHYLENE-CHOLESTEROL	Fruit	--	--		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	24-METHYL-CHOLESTEROL	Fruit	--	--		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	24-METHYLENE-31-NOR-5ALPHA-CYCLOARTAN-3-ONE	Fruit	--	--	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	24-METHYLENE-31-NOR-5ALPHA-LANOST-9(11)-3BETA-OL	Fruit	--	--	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	24-METHYLENE-CYCLOARTENOL	Plant	--	--	Stitt, Paul. Why George should eat broccoli.
0	24-METHYLENE-CYCLOARTENOL	Fruit	--	--	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	24-METHYLENE-CYCLOARTENOL-PALMITATE	Fruit	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	24-METHYLENEPOLLINASTANOL	Fruit	--	--	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	31-NOR-24-BETA-METHYL-9,19-CYCLOLANOST...	Plant	--	--	
0	31-NOR-24BETA-METHYL-9,19-CYCLOLANOST-25-EN-3ALPHA-OL	Flower	--	--	
0	31-NORCYCLOLAUDENOL	Fruit	--	--	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	31-NORCYCLOLAUDENONE	Fruit	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	5-HYDROXY-L-TRYPTOPHAN	Plant	--	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
15	5-HYDROXYTRYPTAMINE	Fruit	--	--	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	5-HYDROXYTRYPTAMINE	Plant	--	--	Stitt, Paul. Why George should eat broccoli.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	6G-BETA-D-FRUCTOFURANOSYLSUCROSE	Fruit	--	--		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.
16	ACETIC-ACID	Fruit	--	--		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	Fruit	510	1469	-0.8797934426307861	USDA's Ag Handbook 8 and sequelae)
7	ALPHA-CAROTENE	Fruit	0.12	0.36	-0.49818171573066583	
0	ALPHA-KETO-GLUTARIC-ACID	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.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
15	ALPHA-LINOLENIC-ACID	Fruit	330	1282	-0.5718991540253398	USDA's Ag Handbook 8 and sequelae)
15	ALPHA-LINOLENIC-ACID	Plant	--	--		
32	ALPHA-TOCOPHEROL	Hull Husk	--	30		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
5	ALUMINUM	Fruit	1	35	-0.21333915200024364	ACTA AGRIC SCAND SUPPL 22: 1980
1	AMYLASE	Fruit	--	--		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	AMYLOSE	Fruit	--	205000	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	ANHYDROGALACTURONIC-ACID	Fruit	--	--	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	ARABINOSE	Fruit	--	--	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.
14	ARGININE	Fruit	1080	3111	-0.31975469718968097 USDA's Ag Handbook 8 and sequelae)

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
2	ARSENIC	Fruit	0.04	0.35	-0.08838885506053196 ACTA AGRIC SCAND SUPPL 22: 1980
112	ASCORBIC-ACID	Fruit	161	596	-0.24743151780698985 USDA's Ag Handbook 8 and sequelae)
112	ASCORBIC-ACID	Hull Husk	--	1380	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	ASCORBIC-ACID-OXIDASE	Fruit	--	--	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	ASH	Flower	--	12000	-1.2890432035234691 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	ASH	Hull Husk	--	121000	1.409427715949451	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	ASH	Fruit	10090	38333	-0.474681404068941	USDA's Ag Handbook 8 and sequelae)
0	ASH	Leaf	--	88000	-0.5435689430543219	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ASH	Shoot	11710	158300	1.290397476639	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	ASH	Pith	--	6000	-1	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	ASH	Sprout Seedling	--	143000	2.083258616176623	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	ASPARTIC-ACID	Fruit	1080	3110	-0.9260124834383072	USDA's Ag Handbook 8 and sequelae)
53	BETA-CAROTENE	Hull Husk	0.6	16.6	0.29354442394364944	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
53	BETA-CAROTENE	Fruit	6	21	-0.11020800749235965	USDA's Ag Handbook 8 and sequelae)
0	BETA-PHENYLETHYLAMINE	Fruit	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
47	BETA-SITOSTEROL	Fruit	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
47	BETA-SITOSTEROL	Leaf	--	--	Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. I'ORSTROM, Paris. 569 pp.
4	BIOTIN	Fruit	--	--	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
1	BORIC-ACID	Fruit	--	--	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	BORON	Fruit	2.8	8.5	-0.6327683301122562
0	BROMINE	Fruit	0.3	27	0.4624187435873433 ACTA AGRIC SCAND SUPPL 22: 1980
6	BUTYRIC-ACID	Plant	--	--	
6	BUTYRIC-ACID	Fruit	--	--	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
3	CADMIUM	Fruit	--	0.002	-0.6377471299475531 ACTA AGRIC SCAND SUPPL 22: 1980

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
28	CALCIUM	Leaf	--	7500	-0.747311800659387	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Pith	--	100	-0.7864626628310915	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
28	CALCIUM	Sprout Seedling	--	11600	0.6890857085449396	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Fruit	20	95	-0.8679558553498441	
28	CALCIUM	Flower	--	300	-1.5134341931691262	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	CALCIUM-PECTATE	Fruit	--	42000	1.3832669886314268	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
2	CAMPESTEROL	Fruit	20	80	0.019982522935305048	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
3	CAPRIC-ACID	Fruit	10	39	-0.7310596697165437	USDA's Ag Handbook 8 and sequelae)
3	CAPRIC-ACID	Plant	--	--		
0	CAPROLIC-ACID	Plant	--	--		
5	CAPRYLIC-ACID	Plant	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	CARBOHYDRATES	Hull Husk	--	631000	-1.406495033105663	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CARBOHYDRATES	Fruit	318000	918432	0.7248572329993801	USDA's Ag Handbook 8 and sequelae)
0	CARBOHYDRATES	Leaf	--	695000	0.6612625958870741	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CARBOHYDRATES	Shoot	39000	527000	-0.3718590353069113	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	CARBOHYDRATES	Pith	--	97000	-1	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CARBOHYDRATES	Sprout Seedling	--	810000	1.2818093790614047	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CARBOHYDRATES	Flower	--	50000	-3.328560233480333	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CARPYLIC-ACID	Plant	--	--		
1	CATALASE	Fruit	--	--		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	
1	CELLULOSE	Fruit	--	--	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.	
7	CHLORINE	Fruit	--	1250	0.2000805473054771	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
21	CHLOROPHYLL	Hull Husk	52	103	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
1	CHOLESTEROL	Fruit	--	--	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.
24	CHROMIUM	Fruit	0.02	0.15	-0.48656449542659064 ACTA AGRIC SCAND SUPPL 22: 1980
23	CITRIC-ACID	Fruit	--	--	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	COBALT	Fruit	--	0.005	-0.5345099214648011 ACTA AGRIC SCAND SUPPL 22: 1980
12	COPPER	Fruit	0.76	6	-0.5307153602504487

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	CYANIDIN	Inflorescence	--	--	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	CYCLOARTENOL	Fruit	--	--	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	CYCLOEUCALENOL	Fruit	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
0	CYCLOEUCALENONE	Fruit	--	--	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	CYCLOLAUDENOL	Fruit	--	--	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	Fruit	200	576	-0.47492868422969975 USDA's Ag Handbook 8 and sequelae)
0	DEHYDROASCORBIC-ACID	Fruit	10	51	-0.7082083482071408 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
9	DELPHINIDIN	Plant	--	--	Stitt, Paul. Why George should eat broccoli.
9	DELPHINIDIN	Inflorescence	--	--	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	DIMETHYL-AMINE	Fruit	--	--	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	DOPA	Fruit	--	--	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
20	DOPAMINE	Hull Husk	--	700	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
20	DOPAMINE	Fruit	--	--	
1	EMENOLONE	Plant	--	--	
2	ERUCIC-ACID	Plant	--	--	
0	ETHYL-AMINE	Fruit	--	--	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	FAT	Sprout Seedling	--	23000	-0.5906796110057675 CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	FAT	Flower	--	2000	-0.8785127344323188	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	FAT	Fruit	2970	12758	-0.5438075120179411	USDA's Ag Handbook 8 and sequelae)
0	FAT	Shoot	8480	115000	1.2942546135443802	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	FAT	Hull Husk	--	87000	1	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	FAT	Leaf	--	118000	1.2262524681861342	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FAT	Pith	--	1000	-1	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
15	FIBER	Shoot	13210	178600	0.00480836714011626	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	FIBER	Sprout Seedling	--	205000	1.3307439342107996	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
15	FIBER	Flower	--	19000	-1.3768579605614941	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
15	FIBER	Hull Husk	--	100000	1	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
15	FIBER	Leaf	--	240000	0.9703106888495033	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Fruit	4250	16560	-1.1806583162167987	USDA's Ag Handbook 8 and sequelae)

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
15	FIBER	Pith	--	8000	-1	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	FLUORINE	Fruit	0.1	0.4	-0.9421069025375646	ACTA AGRIC SCAND SUPPL 22: 1980
15	FOLACIN	Fruit	0.2	0.7	-0.5504340756407867	USDA's Ag Handbook 8 and sequelae)
13	FORMIC-ACID	Fruit	--	--		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
8	FRUCTOSE	Fruit	--	35000	-0.3724202434572889 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.
22	GABA	Fruit	--	--	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	GADOLEIC-ACID	Plant	--	--	
1	GALACTOSE	Fruit	--	--	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	GAMMA-GUANIDINO-N-BUTYRIC-ACID	Fruit	--	--	Chemical Constituents of Oriental Herbs (3 diff. books)

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	GAMMA-GUANIDINOBUTYRIC-ACID	Fruit	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. I'ORSTROM, Paris. 569 pp.
7	GLUCOSE	Fruit	--	45000	-0.417500983291459	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	GLUTAMIC-ACID	Fruit	1160	3341	-0.7701729315327166	USDA's Ag Handbook 8 and sequelae)
0	GLUTARIC-ACID	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.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
3	GLYCERIC-ACID	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.
12	GLYCINE	Fruit	450	1296	-0.893047785271757	USDA's Ag Handbook 8 and sequelae)
4	GLYCOLIC-ACID	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.
0	GLYOXALIC-ACID	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.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	HEMICELLULOSE	Fruit	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
18	HISTAMINE	Fruit	--	--		
7	HISTIDINE	Fruit	640	1843	0.09141919781622437	USDA's Ag Handbook 8 and sequelae)
7	INDOLE-3-ACETIC-ACID	Fruit	--	--		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	INOSITOL	Fruit	--	340	-1	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	INVERTASE	Fruit	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	IRENOLONE	Plant	--	--		
6	IRON	Flower	--	1	-1.096050995011666	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
6	IRON	Fruit	4	17	-0.4600537646075469	
6	IRON	Pith	--	11	-0.8102035482512379	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	ISOAMYL-AMINE	Fruit	--	--	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	ISOBUTYL-AMINE	Fruit	--	--	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	ISOFUCISTEROL	Fruit	--	--	
0	ISOFUCOSTEROL	Fruit	--	--	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	ISOLEUCINE	Fruit	360	1037	-0.7811387840532968 USDA's Ag Handbook 8 and sequelae)

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	ISOVALERIANIC-ACID	Plant	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. I'ORSTROM, Paris. 569 pp.
75	KAEMPFEROL	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
75	KAEMPFEROL	Fruit	--	--		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	KILOCALORIES	Fruit	1220	3514	-0.22258717443190237	USDA's Ag Handbook 8 and sequelae)
0	L-NORADRENALINE	Fruit	--	--		

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	L-OCTACOSANOL	Plant	--	--	Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. I'ORSTROM, Paris. 569 pp.
0	L-TRIACONTAOL	Plant	--	--	Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. I'ORSTROM, Paris. 569 pp.
0	LATEX	Hull Husk	--	20000	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
7	LAURIC-ACID	Plant	--	--	
7	LAURIC-ACID	Fruit	20	78	-0.4445625588877466 USDA's Ag Handbook 8 and sequelae)

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
0	LEAD	Fruit	0.02	0.2	-0.47847549160665437 USDA's Ag Handbook 8 and sequelae)
2	LEUCINE	Fruit	590	1699	-0.723256985535825 USDA's Ag Handbook 8 and sequelae)
1	LEUCOCYANIDIN	Fruit	--	--	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
2	LEUCODELPHINIDIN	Fruit	--	--	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
13	LIGNIN	Fruit	--	--	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
27	LINOLEIC-ACID	Fruit	560	2176	-0.32469981100559747 USDA's Ag Handbook 8 and sequelae)
27	LINOLEIC-ACID	Plant	--	--	
0	LIPASE	Fruit	--	--	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
15	LUTEIN	Fruit	0.033	0.1	-0.826172260047284
4	LYSINE	Fruit	600	1728	-0.6180803627590027 USDA's Ag Handbook 8 and sequelae)
65	MAGNESIUM	Fruit	355	1118	-0.46849293958071714
15	MALIC-ACID	Fruit	530	3730	-0.7089451738600872 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
1	MALONIC-ACID	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.
2	MALTOSE	Fruit	--	--	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
6	MALVIDIN	Inflorescence	--	--	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.
14	MANGANESE	Fruit	0.6	1.8	-0.3916685247648986
1	MERCURY	Fruit	0.001	0.007	-0.5062779328438466 ACTA AGRIC SCAND SUPPL 22: 1980

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
15	METHIONINE	Fruit	170	490	-0.5769499370844757	USDA's Ag Handbook 8 and sequelae)
1	METHYL-AMINE	Fruit	--	--		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	MFA	Fruit	410	1593		USDA's Ag Handbook 8 and sequelae)
2	MOLYBDENUM	Fruit	--	0.1	-0.46519775248328327	ACTA AGRIC SCAND SUPPL 22: 1980
13	MUFA	Fruit	410	1593	-0.23081477776289192	USDA's Ag Handbook 8 and sequelae)
6	MYRISTIC-ACID	Plant	--	--		
6	MYRISTIC-ACID	Fruit	30	117	-0.2636241301884988	USDA's Ag Handbook 8 and sequelae)

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
0	NEO-BETA-CAROTENE-U	Hull Husk	0.1	0.3	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
39	NIACIN	Flower	--	6	-0.8712931513442106 ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
39	NIACIN	Hull Husk	--	50	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
39	NIACIN	Pith	--	2		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
39	NIACIN	Fruit	5	29	-0.4237487633855353	
3	NICKEL	Fruit	0.01	0.1	-0.7490491492163406	ACTA AGRIC SCAND SUPPL 22: 1980
0	NITROGEN	Fruit	1600	15000	0.0264845172682941	ACTA AGRIC SCAND SUPPL 22: 1980
2	NONACOSANE	Plant	--	--		Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
0	NONANCOSANE	Plant	--	--	Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. I'ORSTROM, Paris. 569 pp.
0	NOREPINEPHRINE	Fruit	--	1.9	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	NOREPINEPHRINE	Hull Husk	--	122	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	OBTUSIFOLIOL	Fruit	--	--	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.
18	OLEIC-ACID	Fruit	270	1049	-0.47266016696700736 USDA's Ag Handbook 8 and sequelae)
18	OLEIC-ACID	Plant	--	--	
9	OXALIC-ACID	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.
9	OXALIC-ACID	Fruit	22	5240	-0.01740293689701496 Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	OXYGENASE	Fruit	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
13	PALMITIC-ACID	Fruit	1250	4856	-0.28993795982707443	USDA's Ag Handbook 8 and sequelae)
13	PALMITIC-ACID	Plant	--	--		
2	PALMITOLEIC-ACID	Plant	--	--		
2	PALMITOLEIC-ACID	Fruit	120	466	-0.2602597774499237	USDA's Ag Handbook 8 and sequelae)
11	PANTOTHENIC-ACID	Fruit	2.5	10.1	-0.5105744994157486	USDA's Ag Handbook 8 and sequelae)
24	PECTIN	Fruit	7000	40000	-0.15534295636880713	
24	PECTIN	Hull Husk	3800	12800		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
7	PELARGONIDIN	Inflorescence	--	--	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	PEONIDIN	Inflorescence	--	--	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	PEROXIDASE	Fruit	--	--	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
3	PETUNIDIN	Inflorescence	--	--		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	PHENYLALANINE	Fruit	380	1476	-0.6415201458057507	USDA's Ag Handbook 8 and sequelae)
0	PHOSPHATASE	Fruit	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
4	PHOSPHORIC-ACID	Fruit	--	--		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
4	PHOSPHORUS	Flower	--	500	-1.3494385884884244 ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
4	PHOSPHORUS	Leaf	--	2400	-0.47311414829736437 CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	PHOSPHORUS	Fruit	110	1127	-0.6345107936748954
4	PHOSPHORUS	Pith	--	100	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
5	PHYLLOQUINONE	Fruit	--	0.001	-0.23285139490462353
0	PHYTATE	Fruit	320	1110	-0.595894613699573
2	PHYTOSTEROLS	Fruit	160	622	-0.41659810477662523 USDA's Ag Handbook 8 and sequelae)
2	PHYTOSTEROLS	Plant	--	--	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
2	PIPECOLIC-ACID	Fruit	--	--	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
14	POTASSIUM	Fruit	3700	15631	-0.20220710217397536
0	PROLINE	Fruit	400	1554	-0.6735254442350362 USDA's Ag Handbook 8 and sequelae)
0	PROPANOLAMINE	Fruit	--	--	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	PROTEASE	Fruit	--	--	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	PROTEIN	Flower	--	61000	-0.9490455129837524	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	PROTEIN	Fruit	10040	65400	-0.5911601045759545	
0	PROTEIN	Leaf	--	99000	-1.1257384013756186	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Shoot	18930	255900	0.4068419752321502	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	PROTEIN	Pith	--	5000	-1	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	PROTEIN	Sprout Seedling	--	24000	-1.8929598088709294	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	PUFA	Fruit	890	3458	-0.5919741952789742	USDA's Ag Handbook 8 and sequelae)
0	PUTRESINE	Fruit	--	--		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
1	PYRUVIC-ACID	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.
176	QUERCETIN	Fruit	--	--	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.
176	QUERCETIN	Plant	--	--	Stitt, Paul. Why George should eat broccoli.
1	QUINIC-ACID	Fruit	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
0	RHAMNOSE	Fruit	--	--	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	RIBOFLAVIN	Fruit	0.4	6	0.21217503041366062
0	RUBIDIUM	Fruit	2.5	20	0.07314523441279815 ACTA AGRIC SCAND SUPPL 22: 1980
87	RUTIN	Fruit	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	SALICYLATES	Fruit	--	--	-0.3367420403588193
60	SELENIUM	Fruit	0.001	0.04	-0.37626818123891814 ACTA AGRIC SCAND SUPPL 22: 1980
1	SERINE	Fruit	410	1826	-0.6414950219816531 USDA's Ag Handbook 8 and sequelae)

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
26	SEROTONIN	Plant	--	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
26	SEROTONIN	Hull Husk	47	93	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
26	SEROTONIN	Fruit	8	50	0.4683014551040585 ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	SFA	Fruit	1850	7187	-0.22139006648707202 USDA's Ag Handbook 8 and sequelae)

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
14	SHIKIMIC-ACID	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.
0	SILICA	Fruit	--	238	-0.9833969454855744	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
4	SILICON	Fruit	70	350	0.5286974483372949	ACTA AGRIC SCAND SUPPL 22: 1980
0	SITOINDOSIDE	Fruit	--	--		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	SITOSATEROL	Fruit	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
0	SITOSTEROL	Fruit	--	--	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	SODIUM	Fruit	8	670	-0.12041543891909645
1	SPERMIDINE	Fruit	--	--	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.
5	STARCH	Fruit	7000	17500	-0.4298504597828927 List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
5	STARCH	Stem	--	50000	-1	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
8	STEARIC-ACID	Plant	--	--		
8	STEARIC-ACID	Fruit	60	233	-0.26376934970743887	USDA's Ag Handbook 8 and sequelae)
12	STIGMASTEROL	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	SUCCINIC-ACID	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
7	SUCCINIC-ACID	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.
14	SUCROSE	Fruit	500	18400	-0.6163549379514491 List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
14	SULFUR	Fruit	--	100	-0.91491817172242 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
6	TARTARIC-ACID	Fruit	--	--	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	Fruit	0.3	6.9	0.20062145480143725
4	THREONINE	Fruit	340	1321	-0.7053040118582944 USDA's Ag Handbook 8 and sequelae)
93	TOCOPHEROL	Fruit	2	11	-0.6391754761240738 USDA's Ag Handbook 8 and sequelae)
29	TRYPTOPHAN	Fruit	120	466	-0.5395507034941179 USDA's Ag Handbook 8 and sequelae)
8	TYROSINE	Fruit	240	932	-0.6160602189889636 USDA's Ag Handbook 8 and sequelae)
3	VALINE	Fruit	460	1826	-0.5420226330945653 USDA's Ag Handbook 8 and sequelae)
24	VANILLIC-ACID	Plant	--	--	Stitt, Paul. Why George should eat broccoli.

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	VIT-B-6	Fruit	3	22.5	2.403015787711775	USDA's Ag Handbook 8 and sequelae)
0	WATER	Shoot	--	926000	1.044633718353655	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	Latex Exudate	--	114600	-1.4142135623730951	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	WATER	Pith	--	883000		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	WATER	Bulb	--	902000	0.6328300985646054	
0	WATER	Fruit		626000	757000	-0.05902857329768702

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	WATER	Flower	--	902000	0.5857500312892728	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	XANTHOPHYLLS	Hull Husk	1	7.3		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
3	XYLOSE	Fruit	--	--		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.
77	ZINC	Fruit	1	6.5	-0.7160904438430368	USDA's Ag Handbook 8 and sequelae)