

P Aspalathus linearis

Common Name(s)

Kaffree Tea, Red Bush Tea, Rooibos

How Used

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Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
30	(+)-CATECHIN	Shoot	--	--		
0	1,2-DICHLOROBENZENE	Leaf Essent. Oil	--	--		
0	1-METHYLNAPHTHALENE	Leaf Essent. Oil	--	4000		
0	2,2,6-TRIMETHYL-CYCLOHEXANONE	Leaf Essent. Oil	--	3700		
1	2,3-DIHYDROBENZOFURAN	Leaf Essent. Oil	--	3200		
0	2,4-DIHYDROXY-ACETOPHENONE	Leaf Essent. Oil	--	2100		

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	2,4-DIMETHYLBENZALDEHYDE	Leaf Essent. Oil	--	1300	
0	2,6,6-TRIMETHYLCYCLOHEXENONE	Leaf Essent. Oil	--	7100	
0	2-METHOXY-2-BUTEN-4-OLIDE	Plant	--	--	
0	2-METHYL-HEPT-2-EN-4-ONE	Leaf Essent. Oil	--	5900	
0	2-METHYL-NAPHTHALENE	Leaf Essent. Oil	--	6800	
0	2-PENTYL-FURAN	Leaf Essent. Oil	--	1000	
0	2-PHENYLETHANOL	Plant	--	--	
0	3,4,5-TRIHYDROXYCINNAMIC-ACID	Shoot	--	--	
0	3,5,5-TRIMETHYLCYCLOHEX-3-EN-1-ONE	Leaf Essent. Oil	--	500	
0	3-METHYL-BUTANOIC-ACID	Plant	--	--	
0	4-BUTANOLIDE	Plant	--	--	
0	4-HYDROXY-BENZOIC-ACID	Shoot	--	--	
0	5-HYDROXY-3',4',7-TRI-O-METHYL-LUTEOLIN	Shoot	--	--	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	6,10,14-TRIMETHYLPENTADECANONE	Plant	--	--	
0	6-METHYL-HEPT-5-EN-2-ONE	Leaf Essent. Oil	--	39700	
0	6-METHYL-HEPTA-3,5-DIEN-2-ONE-ISOMER-A	Leaf Essent. Oil	--	51800	
0	6-METHYL-HEPTA-3,5-DIEN-2-ONE-ISOMER-B	Leaf Essent. Oil	--	1900	
16	ACETIC-ACID	Plant	--	--	
6	ACETOPHENONE	Leaf Essent. Oil	--	4000	
13	ALPHA-TERPINENE	Leaf Essent. Oil	--	--	
23	ALPHA-TERPINEOL	Leaf Essent. Oil	--	4200	-0.7797871552056034
32	ALPHA-TOCOPHEROL	Plant	--	--	
5	ALUMINUM	Shoot	--	9900	1.0787185957210077
112	ASCORBIC-ACID	Shoot	157	94000	4.1806764777423835
0	ASH	Shoot	--	25000	-1.7963329752128847
1	ASPALATHIN	Shoot	17	15000	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	ASPALATHIN-BETA-D-GLUCOPYRANOSIDES	Shoot	--	--		
24	BENZALDEHYDE	Leaf Essent. Oil	--	15900	0.6952232834176496	
20	BENZOIC-ACID	Shoot	--	--		
0	BENZOIC-ACID-METHYL-ESTER	Leaf Essent. Oil	--	600		
0	BENZOTHIAZOLE	Leaf Essent. Oil	--	3400		
9	BENZYL-ALCOHOL	Leaf Essent. Oil	--	--		
0	BETA-CYCLOCITRAL	Leaf Essent. Oil	--	10200		
0	BETA-DAMISCENONE	Plant	--	--		
13	BETA-IONONE	Leaf	--	--		
0	BETA-PHENYLETHYLALCOHOL	Leaf Essent. Oil	--	40700		
3	BETA-TERPINEOL	Leaf Essent. Oil	--	4300		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
35	BORNEOL	Leaf Essent. Oil	--	500	-0.6785540022451703
102	CAFFEIC-ACID	Shoot	--	0.66	-0.703465468886938
28	CALCIUM	Shoot	--	2000	-0.9297794818295042
28	CALCIUM	Plant	--	90	-1.443984393362664
28	CALCIUM	Leaf	--	--	
7	CHRYSOERIOL	Shoot	--	6.6	-0.7384459049265101
18	CINNAMIC-ACID	Shoot	--	--	
0	DAMASCENONE	Leaf Essent. Oil	--	50500	1
0	DELTA-VALEROLACTONE	Leaf Essent. Oil	--	400	
0	DIHYDROACTINIDIOLIDE	Plant	--	--	
0	DIHYDROACTINIDIOLIDE	Leaf	--	--	
0	DODECAN-1-AL	Leaf Essent. Oil	--	1000	
76	EUGENOL	Leaf Essent. Oil	--	13600	-1.0138787287413815
0	FAT	Shoot	--	17000	-0.5582126582705272

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
61	FERULIC-ACID	Shoot	--	0.66		
0	FLAVANOL-O-GLYCOSIDE	Shoot	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FLAVONOIDS	Leaf	--	--		
3	FLUORIDE	Plant	0.44	1.65	-0.5740115779302913	
62	GALLIC-ACID	Shoot	--	44000	1.4140081297693825	
62	GALLIC-ACID	Leaf	--	44000	0.6988544721314695	
2	GAMMA-NONALACTONE	Leaf Essent. Oil	--	3200		
0	GAMMA-OCTALACTONE	Leaf Essent. Oil	--	4200		
11	GAMMA-TERPINENE	Leaf Essent. Oil	--	--		
2	GERANYL-ACETONE	Plant	--	--		
18	GUAIACOL	Leaf	--	--		
18	GUAIACOL	Leaf Essent. Oil	--	240000		
18	GUAIACOL	Plant	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
0	HEPT-1-EN-3-OL	Leaf Essent. Oil	--	2000	
0	HEPT-2-EN-1-AL	Leaf Essent. Oil	--	1500	
0	HEPT-2-EN-1-OL	Leaf Essent. Oil	--	5000	
0	HEPT-4-EN-1-AL	Leaf Essent. Oil	--	2000	
0	HEPTA-2,4-DIEN-1-AL-ISOMER-A	Leaf Essent. Oil	--	24600	
0	HEPTA-2,4-DIEN-1-AL-ISOMER-B	Leaf Essent. Oil	--	27700	
0	HEPTAN-1-AL	Leaf Essent. Oil	--	1700	
0	HEPTAN-1-OL	Leaf Essent. Oil	--	500	
0	HEPTAN-2-OL	Leaf Essent. Oil	--	9600	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	HEPTAN-2-ONE	Leaf Essent. Oil	--	6400	
0	HEPTAN-3-OL	Leaf Essent. Oil	--	6700	
0	HEPTAN-3-ONE	Leaf Essent. Oil	--	4700	
0	HEPTAN-4-OL	Leaf Essent. Oil	--	3900	
0	HEPTAN-4-ONE	Leaf Essent. Oil	--	2100	
0	HEXAN-1-OL	Leaf Essent. Oil	--	700	
0	HEXAN-1-OL-ACETATE	Leaf Essent. Oil	--	400	
0	HEXANE-2,5-DIONE	Leaf Essent. Oil	--	1500	
2	HEXANOIC-ACID	Plant	--	--	
0	HEXANOIC-ACID-METHYL-ESTER	Leaf Essent. Oil	--	600	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	HOMOORIENTIN	Shoot	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	IRON	Shoot	--	3300	3.751125723153258
6	IRON	Plant	--	14	-0.7218159135751593
0	ISOBITEXIN	Shoot	--	--	
4	ISOORIENTIN	Shoot	--	--	
3	ISOQUERCETIN	Shoot	--	--	
22	ISOQUERCITRIN	Shoot	--	1	-1.1453747053075045
4	ISOVITEXIN	Shoot	--	0.5	
60	LIMONENE	Leaf Essent. Oil	--	--	
53	LINALOOL	Leaf Essent. Oil	--	5400	-0.661654653443934
0	LINALOOL-OXIDE	Leaf Essent. Oil	--	2000	-1.146764358161992
78	LUTEOLIN	Shoot	0.66	1	-0.7054905387561778
78	LUTEOLIN	Leaf	--	--	
65	MAGNESIUM	Leaf	--	--	
65	MAGNESIUM	Shoot	--	3300	-0.5803607740011649

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
65	MAGNESIUM	Plant	--	140	-1.2188549999457055
14	MANGANESE	Shoot	--	120	-0.9591769438559322
0	METHYL-ETHYLMALEIMIDE	Plant	--	--	
2	METHYL-PHENYLACETATE	Leaf Essent. Oil	--	7900	
22	MYRCENE	Leaf Essent. Oil	--	--	
1	NAPHTHALENE	Leaf Essent. Oil	--	4300	
0	NEROL-ACETATE	Leaf Essent. Oil	--	2000	-1
0	NON-2-EN-1-AL	Leaf Essent. Oil	--	5200	
0	NONA-2,6-DIEN-1-AL	Leaf Essent. Oil	--	4200	
0	NONAN-1-AL	Leaf Essent. Oil	--	2800	
0	NONAN-2-ONE	Leaf Essent. Oil	--	1900	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
1	NOTHOFAGIN	Shoot	--	--	
0	OCT-1-EN-3-OL	Leaf Essent. Oil	--	6400	
0	OCT-2-EN-1-AL	Leaf Essent. Oil	--	4900	
0	OCT-3-EN-2-ONE	Leaf Essent. Oil	--	4600	
0	OCTA-2,4-DIEN-1-AL	Leaf Essent. Oil	--	3000	
0	OCTA-3,5-DIEN-2-ONE-ISOMER-A	Leaf Essent. Oil	--	24200	
0	OCTA-3,5-DIEN-2-ONE-ISOMER-B	Leaf Essent. Oil	--	11500	
0	OCTAN-1-OL	Leaf Essent. Oil	--	2300	
0	OCTAN-2-OL	Leaf Essent. Oil	--	4100	
0	OCTAN-2-ONE	Leaf Essent. Oil	--	800	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	OCTANOIC-ACID-METHYL-ESTER	Leaf Essent. Oil	--	1300		
4	ORIENTIN	Shoot	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
25	P-COUMARIC-ACID	Shoot	--	1	-0.7071067811865475	
8	P-CRESOL	Leaf Essent. Oil	--	--		
0	P-ETHYL-PHENOL	Leaf Essent. Oil	--	1600		
13	P-HYDROXY-BENZOIC-ACID	Shoot	--	--		
2	P-METHYL-ACETOPHENONE	Leaf Essent. Oil	--	5000		
0	P-METHYLBENZALDEHYDE	Leaf Essent. Oil	--	--		
26	PHENOL	Leaf Essent. Oil	--	700		
2	PHENYL-ACETALDEHYDE	Leaf Essent. Oil	--	17100		
0	PHOSPHATE	Shoot	--	1200		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
0	PHOSPHATE	Plant	--	50		
14	POTASSIUM	Shoot	--	5600	-1.2816033932517448	
14	POTASSIUM	Leaf	--	--		
14	POTASSIUM	Plant	--	--		
0	PROTEIN	Shoot	--	69000	-1.2745985759367076	
0	PROTEIN	Plant	--	--		
43	PROTocatechuic-ACID	Shoot	--	2.6		
176	QUERCETIN	Plant	--	7.5	-1	
176	QUERCETIN	Shoot	--	1.3	-0.7538426844404754	
87	RUTIN	Shoot	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	SAFRANAL	Leaf Essent. Oil	--	4000		
5	SALICYLALDEHYDE	Leaf Essent. Oil	--	1000		
0	SALICYLIC-ACID-METHYL-ESTER	Leaf Essent. Oil	--	4200		
1	SODIUM	Leaf	--	--		
0	SULFATE	Shoot	--	1100		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
6	SYRINGIC-ACID	Shoot	--	--	
35	TANNIN	Shoot	--	44000	-0.8290380397657579
71	THYMOL	Leaf Essent. Oil	--	2200	-1
0	UNDECAN-1-AL	Leaf Essent. Oil	--	6200	
24	VANILLIC-ACID	Shoot	--	0.76	
0	VITAMIN-C	Leaf	--	--	