

P Brassica oleracea var. botrytis I.

Common Name(s)

Cauliflower

How Used

F

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	1-METHOXY-GLUCOBASSICIN	Leaf	--	--		
0	1-METHOXY-INDOLE-3-CARBALDEHYDE	Plant	--	--		
0	1-O-FERULOYL-BETA-D-GLUCOSE	Leaf	--	--		
0	1-O-P-COUMAROYL-BETA-D-GLUCOSE	Leaf	--	--		
0	1-O-SINAPOYL-BETA-D-GLUCOSE	Leaf	--	--		
0	24-METHYLENE-CYCLOARTENOL	Leaf	--	--		
0	3,3'-DIINDOYL-METHANE	Leaf	--	--		
0	3-METHYL-SULFINYL-PROPYL-GLUCOSINOLATE	Flower	--	--		
0	3-METHYLTHIOPROPYL-GLUCOSINOLATE	Flower	--	--		
1	4-HYDROXY-GLUCOBASSICIN	Flower	7	390		
1	4-HYDROXY-GLUCOBASSICIN	Leaf	3	325		

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
0	4-METHOXY-GLUCOBRASSICIN	Flower	15	355		
0	4-METHOXY-GLUCOBRASSICIN	Leaf	8	580		
0	4-METHOXY-INDOL-3-YL-METHYL-GLUCOSINOLATE	Flower	--	--		
0	4-METHOXY-INDOL-3-YL-METHYL-GLUCOSINOLATE	Leaf	--	--		
0	4-METHYL-SULFINYL-BUTYL-GLUCOSINOLATE	Flower	--	--		
0	4-METHYL-THIO-BUTYL-GLUCOSINOLATE	Flower	--	--		
4	4-VINYL-GUAIACOL	Plant	--	--		
0	5-HYDROXY-GLUCOBRASSICIN	Leaf	--	--		
0	5-HYDROXY-GLUCOBRASSICIN	Tissue Culture	--	--		
0	5-METHOXY-GLUCOBRASSICIN	Tissue Culture	--	--		
0	5-METHOXY-GLUCOBRASSICIN	Leaf	--	--		
0	ABSCISIC-ACID	Flower	--	--		
3	ACETONE	Flower	--	--		
3	ACETONE	Leaf	--	--		
3	ALANINE	Flower	1050	13565		
3	ALANINE	Leaf	1180	12673	0.017867252591863454	
16	ALLYL-ISOTHIOCYANATE	Leaf	--	--		
10	ALPHA-AMYRIN	Bud	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
10	ALPHA-AMYRIN	Flower	--	--	
7	ALPHA-CAROTENE	Plant	--	--	
15	ALPHA-LINOLENIC-ACID	Leaf	1290	13855	1.243183883058032
32	ALPHA-TOCOPHEROL	Leaf	7	439	0.35927304562664447
32	ALPHA-TOCOPHEROL	Flower	0.3	4	-1
5	ALUMINUM	Leaf	1	27	-0.7515974845433717
5	ALUMINUM	Flower	1	150	0.9080903837793464
0	AMMONIA(NH3)	Flower	--	6376	-1.2099685441032595
0	ANILINE	Flower	--	22	
14	ARGININE	Leaf	1450	15573	-0.25040545078848814
14	ARGININE	Flower	960	12400	
2	ARSENIC	Leaf	--	--	
2	ARSENIC	Flower	--	--	
112	ASCORBIC-ACID	Flower	660	9300	2.0283569773652044
112	ASCORBIC-ACID	Leaf	911	10360	0.5173558895778465
0	ASH	Flower	6600	121250	1.2014906628657485
0	ASH	Leaf	2800	101708	-0.30205081182588317
3	ASPARTIC-ACID	Leaf	2130	22876	-0.262328714251028
0	BENZYL-AMINE	Flower	--	1.4	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
9	BETA-AMYRIN	Flower	--	--		
9	BETA-AMYRIN	Bud	--	--		
53	BETA-CAROTENE	Flower	--	4	-0.5606735845287268	
53	BETA-CAROTENE	Leaf	9	138	-0.5369565297726103	
2	BETA-CRYPTOXANTHIN	Plant	--	--		
47	BETA-SITOSTEROL	Flower	120	1200	-0.7745775450534552	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
47	BETA-SITOSTEROL	Plant	--	--		
4	BORON	Flower	1	76	1.2304541664359345	
4	BORON	Stem	--	21	-0.7419113414039952	
4	BORON	Leaf	1	85	0.6469238451071857	
0	BROMINE	Flower	--	--		
0	BROMINE	Leaf	--	--		
3	CADMIUM	Flower	0.003	0.25		
3	CADMIUM	Leaf	0.01	0.18	-0.7863999904697607	
102	CAFFEIC-ACID	Leaf	--	8	-0.7148173591555008	
28	CALCIUM	Leaf	360	54247	2.4468006382605774	
28	CALCIUM	Flower	210	4040	-0.4787571488570857	

Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference	Citation
2	CAMPESTEROL	Flower	30	300		Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
0	CARBOHYDRATES	Leaf	52400	562776	-0.3902639822213213	
0	CARBOHYDRATES	Flower	49200	635660	-0.14105375622194907	
77	CHLOROGENIC-ACID	Leaf	--	--		
21	CHLOROPHYLL	Leaf	--	--		
24	CHROMIUM	Flower	0.001	0.125	-1.3473800790006203	
24	CHROMIUM	Leaf	0.005	0.18	-0.6314530785674829	
18	CINNAMIC-ACID	Leaf	--	--		
23	CITRIC-ACID	Flower	--	--		
23	CITRIC-ACID	Plant	--	--		
2	COBALT	Flower	0.001	0.125	-0.5425117041971756	
2	COBALT	Leaf	0.02	0.6	-0.29531921745391343	
12	COPPER	Leaf	0.68	52	0.6699011255650867	
12	COPPER	Flower	0.3	8	-0.9960623124329469	
2	CYSTINE	Leaf	200	2148	-0.6472110127615397	
2	CYSTINE	Flower	230	2970		
2	DIMETHYL-AMINE	Flower	--	14	1	
2	DIMETHYL-DISULFIDE	Plant	--	--		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
24	ETHANOL	Flower	--	--	
24	ETHANOL	Plant	--	--	
0	FAT	Flower	1800	29400	-0.4465051083149715
0	FAT	Leaf	3160	41242	-0.30328791009066547
61	FERULIC-ACID	Leaf	--	13	0.08918222301645602
15	FIBER	Flower	8000	132000	0.00499085884442514
15	FIBER	Leaf	10760	122866	-0.47818554218157117
0	FLUORINE	Leaf	0.03	0.9	-1.2049539311662678
0	FLUORINE	Flower	0.02	2.5	
15	FOLACIN	Leaf	0.64	8.4	-0.15226470429048047
7	FUMARIC-ACID	Flower	--	--	
7	FUMARIC-ACID	Plant	--	--	
1	GLUCOBRASSICIN	Flower	60	1670	
1	GLUCOBRASSICIN	Leaf	30	580	
0	GLUCOERUCIN	Flower	--	210	
0	GLUCOERUCIN	Leaf	--	15020	
1	GLUCOIBERIN	Flower	--	1600	
1	GLUCOIBERIN	Leaf	--	248	
0	GLUCONAPOLEIFERIN	Leaf	9	135	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
0	GLUCONAPOLEIFERIN	Flower	--	80	
1	GLUCONASTURTIN	Flower	--	--	
1	GLUCONASTURTIN	Leaf	--	145	
1	GLUCORAPHANIN	Flower	--	990	
1	GLUCORAPHANIN	Leaf	255	8990	
0	GLUCOSINOLATES	Flower	20	1140	
0	GLUCOSINOLATES	Leaf	70	2120	
8	GLUTAMIC-ACID	Flower	2650	34240	
8	GLUTAMIC-ACID	Leaf	3750	40275	0.12712766718145815
12	GLYCINE	Leaf	950	10203	-0.05657990592554876
12	GLYCINE	Flower	640	8270	
0	HEX-CIS-3-EN-1-OL	Plant	--	--	
0	HEX-CIS-3-ENOL-ACETATE	Plant	--	--	
1	HEXYL-ACETATE	Plant	--	--	
7	HISTIDINE	Flower	400	5165	
7	HISTIDINE	Leaf	500	5370	-0.0031655528062669996
3	INDOLE-3-ACETONITRILE	Leaf	--	--	
32	INDOLE-3-CARBINOL	Leaf	--	--	
0	INDOLE-3-CARBOXYLIC-ACID	Plant	--	--	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
0	INDOYL-3-METHYL-GLUCOSINOLATE	Flower	--	--	
6	IRON	Flower	5	122	-0.3012855132197258
6	IRON	Leaf	8	109	-0.6442917506016965
3	ISOLEUCINE	Flower	760	9820	
3	ISOLEUCINE	Leaf	1090	11707	-0.09196747371544084
75	KAEMPFEROL	Flower	--	30	-1.0760015465680726
75	KAEMPFEROL	Leaf	--	--	
0	KILOCALORIES	Leaf	280	3007	-0.017863523924990066
0	KILOCALORIES	Plant	240	3100	-0.18505812231826163
0	LEAD	Flower	--	--	
0	LEAD	Leaf	0.01	1	-0.6352496573639428
2	LEUCINE	Flower	1160	15000	
2	LEUCINE	Leaf	1310	14069	-0.3764770761728601
27	LINOLEIC-ACID	Flower	190	2455	0.4542076634572454
27	LINOLEIC-ACID	Leaf	380	4081	-0.6928297779549968
0	LINOLENIC-ACID	Flower	640	8270	1
4	LYSINE	Leaf	1410	15143	0.5181729835111131
4	LYSINE	Flower	1070	13825	
65	MAGNESIUM	Flower	115	2250	-0.4063280335551449

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
65	MAGNESIUM	Leaf	214	3072	-0.406886321355332
15	MALIC-ACID	Flower	--	--	
15	MALIC-ACID	Plant	--	--	
14	MANGANESE	Flower	1.5	48	-0.2230146829051698
14	MANGANESE	Leaf	2	80	-0.32688920745367256
1	MERCURY	Flower	--	0.025	-0.9374693023756843
1	MERCURY	Leaf	0.002	0.09	1.1722789664445759
2	METHANOL	Plant	--	--	
2	METHANOL	Flower	--	--	
15	METHIONINE	Flower	280	3615	
15	METHIONINE	Leaf	340	3652	0.46965125289987986
1	METHYL-AMINE	Flower	--	65	1.0000000000000002
2	MOLYBDENUM	Flower	--	0.1	
2	MOLYBDENUM	Leaf	0.1	3.76	0.6801012829363977
2	MOLYBDENUM	Stem	--	1.76	-0.13934558811150258
13	MUFA	Flower	120	1550	0.46291004988627577
0	N-METHYL-BETA-PHENETHYLAMINE	Plant	--	1.6	
0	N-METHYL-BETA-PHENETHYLAMINE	Flower	--	1.6	
0	N-METHYL-PHENETHYLAMINE	Flower	--	1.6	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
0	N-PENTYL-AMINE	Flower	--	3.3	
1	NEOGLUCOBRASSICIN	Flower	8	450	
1	NEOGLUCOBRASSICIN	Tissue Culture	--	--	
1	NEOGLUCOBRASSICIN	Leaf	10	900	
39	NIACIN	Flower	5	85	-0.09352864336463278
39	NIACIN	Leaf	--	--	
3	NICKEL	Leaf	0.3	7	-0.28467312579555515
3	NICKEL	Flower	0.03	12	1
0	NITROGEN	Flower	3100	47500	1
0	NITROGEN	Leaf	7000	71800	1.400721017239793
18	OLEIC-ACID	Flower	120	1550	0.47798392866277417
18	OLEIC-ACID	Leaf	240	2578	-0.3066324749217592
0	OXALATE	Leaf	1900	20406	-0.28520935704631206
9	OXALIC-ACID	Plant	--	68	-0.5351320075910592
25	P-COUMARIC-ACID	Flower	--	35	
25	P-COUMARIC-ACID	Leaf	--	13	-0.3465642412720655
13	P-HYDROXY-BENZOIC-ACID	Leaf	--	--	
13	PALMITIC-ACID	Leaf	470	5048	-0.2927982427753776
13	PALMITIC-ACID	Flower	240	3100	0.13966281921675727

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference	Citation
11	PANTOTHENIC-ACID	Leaf	5.35	63	0.8524389937224381	
11	PANTOTHENIC-ACID	Flower	1.4	18	-1	
0	PENTAN-3-ONE	Plant	--	--		
0	PENTEN-1-OL	Plant	--	--		
3	PHENETHYL-ISOTHIOCYANATE	Leaf	--	--		
3	PHENETHYLAMINE	Flower	--	1.8		
7	PHENYLALANINE	Flower	710	9175		
7	PHENYLALANINE	Leaf	840	9022	-0.32366072893862124	
4	PHOSPHORUS	Leaf	644	9090	0.7577587277969241	
4	PHOSPHORUS	Flower	385	7375	1.5411143666705196	
9	PHYTIC-ACID	Leaf	--	--		
2	PHYTOSTEROLS	Plant	--	--		
2	PHYTOSTEROLS	Flower	180	1800		Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
14	POTASSIUM	Leaf	3178	37270	0.3058332790917791	
14	POTASSIUM	Flower	3300	49080	3.0578856743972493	
1	PROGOITRIN	Flower	--	60		
1	PROGOITRIN	Leaf	--	--		
0	PROLINE	Flower	860	11110		

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
0	PROLINE	Leaf	1140	12244	0.14474263630065312
0	PROP-2-ENYL-GLUCOSINOLATE	Flower	--	--	
0	PROTEIN	Leaf	28710	331159	1.1902719416088388
0	PROTEIN	Flower	18680	300000	1.8233202818155771
4	PUFA	Flower	830	10725	1.333147880984072
176	QUERCETIN	Flower	--	6	-1.4106513565908647
176	QUERCETIN	Leaf	--	--	
44	QUERCITRIN	Leaf	--	--	
1	QUINIC-ACID	Flower	--	--	
1	QUINIC-ACID	Leaf	--	--	
15	RIBOFLAVIN	Flower	0.3	11	1.1243491725579133
15	RIBOFLAVIN	Leaf	1.1	21	-0.07942432526480918
0	RUBIDIUM	Leaf	1	23	-0.6707091074151935
0	RUBIDIUM	Flower	0.43	11	
87	RUTIN	Leaf	--	--	
34	SALICYLIC-ACID	Leaf	--	--	
0	SEC-BUTYL-ISOTHIOCYANATE	Seed	--	--	
60	SELENIUM	Stem	--	0.015	-0.42886426089167784
60	SELENIUM	Flower	--	--	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
60	SELENIUM	Leaf	--	0.024	-0.3807027917986485
1	SERINE	Flower	1040	13440	
1	SERINE	Leaf	1000	10740	-0.003085924608790074
0	SFA	Flower	270	3490	-0.423152594485768
4	SILICON	Flower	2	125	2.1795902118292325
4	SILICON	Leaf	1	90	-0.14550202645318341
9	SINAPIC-ACID	Leaf	--	40	-0.5050096614914733
7	SINIGRIN	Flower	--	325	
7	SINIGRIN	Plant	--	--	
1	SODIUM	Flower	120	2300	0.7325478785988843
1	SODIUM	Leaf	252	3091	-0.09830203577402047
10	SQUALENE	Plant	--	--	
8	STEARIC-ACID	Leaf	70	752	-0.13186141525885503
8	STEARIC-ACID	Flower	30	390	0.6447612226140537
12	STIGMASTEROL	Flower	20	200	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
12	STIGMASTEROL	Plant	--	--	
7	SUCCINIC-ACID	Plant	--	--	
7	SUCCINIC-ACID	Flower	--	--	

Chemical Plant Part		Low PPM	High PPM	StdDev	Reference Citation
14	SULFUR	Leaf	1200	11800	1.6302603378370644
31	THIAMIN	Flower	0.6	12	1.9586178131455851
31	THIAMIN	Leaf	0.6	8	-0.06349209547044472
4	THREONINE	Flower	720	9300	
4	THREONINE	Leaf	910	9773	-0.005488458413534491
2	TRANS-FERULIC-ACID	Leaf	--	--	
29	TRYPTOPHAN	Leaf	290	3115	0.10979300838520059
29	TRYPTOPHAN	Flower	260	3360	
8	TYROSINE	Leaf	630	6766	-0.34477094479123366
8	TYROSINE	Flower	430	5555	
3	VALINE	Flower	1000	12920	
3	VALINE	Leaf	1280	13747	0.29552238675671566
24	VANILLIC-ACID	Plant	--	--	
0	VIT-B-6	Flower	2	30	1
0	VIT-B-6	Leaf	1.6	18	0.24648148618924984
0	WATER	Plant	894000	926000	0.6638590552985428
0	WATER	Leaf	890000	910230	0.5118312318849885
77	ZINC	Leaf	4	118	0.19739995136190341
77	ZINC	Flower	3	97	3.0606347490514247