

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Spinacia oleracea*

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--|------------|----------|----------|---------------------|--|
| 77 | ZINC | Plant | 4.0 | 185.0 | 1.3103512331616465 | -- |
| 5 | ZEAXANTHIN | Leaf | | 4.0 | | -- |
| 10 | XYLITOL | Leaf | | | | Counsell, J. N., Robertson, D. J. 1976. Xylitol-A Sweetener Which is Kind to the Teeth. Food Process Ind., 45(54): 24-26. |
| 0 | WATER | Plant | 913120.0 | 930000.0 | 0.6809832665754842 | -- |
| 0 | VIT-K-1 | Leaf | | 5.0 | | -- |
| 0 | VIT-B-6 | Plant | 1.9 | 24.0 | 1.0 | USDA's Ag Handbook 8 and sequelae) |
| 3 | VALINE | Plant | 1610.0 | 19120.0 | 1.555158000620152 | USDA's Ag Handbook 8 and sequelae) |
| 8 | TYROSINE | Plant | 1080.0 | 12826.0 | 1.690477622671528 | USDA's Ag Handbook 8 and sequelae) |
| 29 | TRYPTOPHAN | Plant | 390.0 | 4632.0 | 1.4033196129047203 | USDA's Ag Handbook 8 and sequelae) |
| 0 | TRIMETHYLHISTAMINE | Leaf | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 4 | THREONINE | Plant | 1220.0 | 14489.0 | 0.9163251148553258 | USDA's Ag Handbook 8 and sequelae) |
| 4 | THREONINE | Leaf | | | | -- |
| 31 | THIAMIN | Plant | 0.7 | 10.2 | 0.2209949208584362 | USDA's Ag Handbook 8 and sequelae) |
| 14 | SULFUR | Plant | 270.0 | 5700.0 | 0.782987997507475 | -- |
| 0 | SULFOLIPIDS | Plant | | | | -- |
| 0 | STRONTIUM | Plant | 0.06 | 0.77 | -1.006777905093239 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 0 | STIGMAST-7-EN-3-BETA-OL-BETA-D-GLUCOSIDE | Shoot | | | | -- |
| 8 | STEARIC-ACID | Leaf | | | | -- |
| 8 | STEARIC-ACID | Plant | 7.0 | 356.0 | -0.6655276409333674 | -- |
| 0 | SPINATOSIDE | Plant | | | | -- |
| 0 | SPINASTEROL | Leaf | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--|------------|---------|----------|---------------------|------------------------------------|
| 0 | SPINASTEROL | Seed | | | | -- |
| 0 | SPINASAPONINS | Plant | | | | -- |
| 0 | SPINACOSIDE-D | Root | | | | -- |
| 0 | SPINACOSIDE-D | Shoot | | 10.0 | | -- |
| 0 | SPINACOSIDE-C | Shoot | | 10.0 | | -- |
| 0 | SPINACOSIDE-C | Root | | | | -- |
| 0 | SPINACOSIDE-B | Root | | | | -- |
| 0 | SPINACOSIDE-A | Root | | | | -- |
| 0 | SPINACETIN-3-O-BETA-D-GLUCOPYRANOSYL(1,6)-BETA-D-GLUCOPYRANOSIDE | Leaf | | | | -- |
| 0 | SPINACETIN-3-O-BETA-D-GLUCOPYRANOSYL(1,6)-(BETA-D-APIOFURANOSYL(1,2))-BETA-D-GLUCOPYRANOSIDE | Leaf | | | | -- |
| 0 | SPINACETIN-3-O-BETA-D-(2"-P-COUMAROYL-GLUCOPYRANOSYL)-(1,6)-(BETA-D-APIOFURANOSYL(1,2))-BETA-D-GLUCOPYRANOSIDE | Leaf | | | | -- |
| 0 | SPINACETIN-3-O-BETA-D-(2"-FERULOYL-GLUCOPYRANOSYL)-(1,6)-BETA-D-GLUCOPYRANOSIDE | Leaf | | | | -- |
| 0 | SPINACETIN-3-O-BETA-D-(2"-FERULOYL-GLUCOPYRANOSYL)-(1,6)-(BETA-D-APIOFURANOSYL(1,2))-BETA-D-GLUCOPYRANOSIDE | Leaf | | | | -- |
| 0 | SPINACETIN | Leaf | | | | -- |
| 1 | SODIUM | Plant | 585.0 | 10669.0 | 0.28651825352805566 | -- |
| 4 | SILICON | Leaf | 1.0 | 855.0 | 2.1298618434688388 | ACTA AGRIC SCAND SUPPL 22: 1980 |
| 1 | SERINE | Plant | 1040.0 | 12351.0 | 1.0594826529274783 | USDA's Ag Handbook 8 and sequelae) |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|---------------------|------------|---------|----------|----------------------|--|
| 60 | SELENIUM | Leaf | | 0.057 | -0.3781672517204582 | ACTA AGRIC SCAND SUPPL 22: 1980 |
| 5 | SAPONINS | Leaf | | 47000.0 | -0.23418857166033838 | Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.) |
| 7 | SALICYLATES | Leaf | 0.3 | 60.0 | -0.4464338695640787 | -- |
| 87 | RUTIN | Shoot | | | | -- |
| 87 | RUTIN | Leaf | | 170.0 | -0.993991147325029 | -- |
| 0 | RUBIDIUM | Leaf | 0.9 | 90.0 | 1.8189036458711207 | ACTA AGRIC SCAND SUPPL 22: 1980 |
| 15 | RIBOFLAVIN | Plant | 1.8 | 23.4 | 0.8354117066800743 | USDA's Ag Handbook 8 and sequelae) |
| 44 | QUERCITRIN | Leaf | | 500.0 | -0.4939476620574426 | -- |
| 176 | QUERCETIN | Leaf | 1.0 | 19.0 | -0.35172338839946077 | -- |
| 1 | PYRROLIDINE | Leaf | | 2.5 | | -- |
| 43 | PROTocatechuic-acid | Shoot | | | | -- |
| 0 | PROTEIN | Plant | 27480.0 | 352954.0 | 1.4709058523233878 | USDA's Ag Handbook 8 and sequelae) |
| 0 | PROLINE | Plant | 1120.0 | 13301.0 | 1.2034784447687357 | USDA's Ag Handbook 8 and sequelae) |
| 14 | POTASSIUM | Plant | 2060.0 | 69077.0 | 3.297249785037831 | -- |
| 0 | POLYPODINE-B | Seed | | 2.3 | | -- |
| 0 | POLYPODINE-B | Leaf | | | | -- |
| 0 | POLYPHENOL-OXIDASE | Leaf | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 0 | PHYTYLPLASTOQUINOL | Leaf | | | | -- |
| 2 | PHYTOSTEROLS | Plant | 90.0 | 1800.0 | 1.0768787487624356 | -- |
| 9 | PHYTIC-ACID | Leaf | | 80.0 | | -- |
| 5 | PHYLLOQUINONE | Tuber | | 3.8 | 1.0000000000000002 | -- |
| 4 | PHOSPHORUS | Plant | 250.0 | 6232.0 | 1.2702244799414446 | -- |
| 0 | PHOSPHATIDYL-SERINE | Leaf | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|---|------------|---------|----------|----------------------|------------------------------------|
| 0 | PHOSPHATIDYL-INOSITOL | Leaf | | | | -- |
| 0 | PHOSPHATIDYL-GLYCEROL | Leaf | | | | -- |
| 0 | PHOSPHATIDYL-ETHANOLAMINE | Plant | | | | -- |
| 2 | PHOSPHATIDYL-CHOLINE | Plant | | | | -- |
| 3 | PHEOPHYTIN-A | Leaf | | | | -- |
| 7 | PHENYLALANINE | Plant | 1290.0 | 15320.0 | 1.6518849106475164 | USDA's Ag Handbook 8 and sequelae) |
| 7 | PHENYLALANINE | Leaf | | | | -- |
| 3 | PHENETHYLAMINE | Leaf | | 1.1 | -0.9841987738690897 | -- |
| 0 | PATULETIN-3-O-BETA-D-GLUCOPYRANOSYL-(1,6)-(BETA-D-APIOFURANOSYL-(1,2))-BETA-D-GLUCOPYRANOSIDE | Leaf | | | | -- |
| 0 | PATULETIN-3-O-BETA-D-(2"-FERULOYL-GLUCOPYRANOSYL)-(1,6)-(BETA-D-APIOFURANOSYL-(1,2))-BETA-D-GLUCOPYRANOSIDE | Leaf | | | | -- |
| 2 | PATULETIN | Leaf | | | | -- |
| 11 | PANTOTHENIC-ACID | Plant | 0.57 | 8.7 | -1.2357577104072583 | -- |
| 2 | PALMITOLEIC-ACID | Leaf | | | | -- |
| 2 | PALMITOLEIC-ACID | Plant | 21.0 | 475.0 | -1.0 | -- |
| 13 | PALMITIC-ACID | Leaf | | | | -- |
| 13 | PALMITIC-ACID | Plant | 106.0 | 4869.0 | -0.7374530233038146 | -- |
| 25 | P-COUMARIC-ACID | Leaf | | 133.0 | -0.31505669620268567 | -- |
| 9 | OXALIC-ACID | Leaf | 5000.0 | 93900.0 | 2.2754912851003497 | -- |
| 0 | OLERAGENOSIDE | Plant | | 0.06 | | -- |
| 18 | OLEIC-ACID | Leaf | | | | -- |
| 18 | OLEIC-ACID | Plant | 18.0 | 475.0 | -0.8580334988525617 | -- |
| 0 | NITROGEN | Leaf | 3200.0 | 45700.0 | 0.09626842491686814 | ACTA AGRIC SCAND SUPPL 22: 1980 |
| 3 | NICKEL | Plant | 0.05 | 5.7 | -0.37306200253035504 | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|------------------------------|------------|---------|----------|----------------------|---|
| 39 | NIACIN | Plant | 6.9 | 89.8 | 0.18336375742880084 | USDA's Ag Handbook 8 and sequelae) |
| 2 | NEO-CHLOROGENIC-ACID | Shoot | | | | -- |
| 0 | N-PENTYL-AMINE | Leaf | | 0.3 | -0.8053872662568291 | -- |
| 0 | N-METHYL-PHENETHYLAMINE | Leaf | | 2.4 | -0.4133836909571625 | -- |
| 0 | N-METHYL-ANILINE | Leaf | | 3.4 | 1.0000000000000002 | -- |
| 0 | N-ACETYLBHISTAMINE | Leaf | | | | -- |
| 0 | N,N-DIMETHYLBHISTAMINE | Leaf | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 6 | MYRISTIC-ACID | Plant | 1.0 | 950.0 | -0.34172508190823475 | -- |
| 0 | MONOGALACTOSYLDIACYLGLYCEROL | Plant | | | | -- |
| 2 | MOLYBDENUM | Plant | 0.06 | 0.8 | -0.6403529503457794 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 1 | METHYL-AMINE | Leaf | | 12.0 | -0.9038170440976104 | -- |
| 15 | METHIONINE | Leaf | | | | -- |
| 15 | METHIONINE | Plant | 530.0 | 6294.0 | 2.224241040054928 | USDA's Ag Handbook 8 and sequelae) |
| 1 | MERCURY | Leaf | 0.003 | 0.11 | 1.6807373133361998 | ACTA AGRIC SCAND SUPPL 22: 1980 |
| 14 | MANGANESE | Plant | 3.0 | 485.0 | 2.7811803446646057 | -- |
| 2 | MALTOSE | Leaf | | | | -- |
| 15 | MALIC-ACID | Leaf | | 4300.0 | -0.7530674316188777 | Soldatenkov, S. V., Mazurova, T. A., Ranteleev, A. N. 1960. Organic Acids of Onion and Spinach. Trudy Petergof Biol. Inst., Leningrad Gosudarst Univ Im AA Zhdanova, 18: 55-61. |
| 65 | MAGNESIUM | Plant | 420.0 | 11000.0 | 2.1524585904189935 | -- |
| 4 | LYSINE | Plant | 1740.0 | 20664.0 | 1.308971519219775 | USDA's Ag Handbook 8 and sequelae) |
| 4 | LYSINE | Leaf | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-------------------------|------------|---------|----------|----------------------|--|
| 15 | LUTEIN | Leaf | | 42.0 | | -- |
| 0 | LINOLENIC-ACID | Leaf | | | | -- |
| 27 | LINOLEIC-ACID | Leaf | | | | -- |
| 27 | LINOLEIC-ACID | Plant | 104.0 | 2613.0 | -0.541791899786887 | -- |
| 2 | LEUCINE | Leaf | | | | -- |
| 2 | LEUCINE | Plant | 2230.0 | 26483.0 | 1.3907214750103931 | USDA's Ag Handbook 8 and sequelae) |
| 20 | LECITHIN | Leaf | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 0 | LEAD | Leaf | 0.03 | 3.0 | -0.5904546176203417 | ACTA AGRIC SCAND SUPPL 22: 1980 |
| 1 | L-HOMOCYSTEINE | Plant | | | | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. |
| 0 | KILOCALORIES | Plant | 220.0 | 2613.0 | -0.6337239292634677 | USDA's Ag Handbook 8 and sequelae) |
| 75 | KAEMPFEROL | Leaf | | 2.0 | -0.7448470733619753 | -- |
| 75 | KAEMPFEROL | Plant | | | | -- |
| 0 | JACEIDIN-4'-GLUCURONIDE | Leaf | | | | -- |
| 0 | ISOPENTYL-AMINE | Leaf | | 3.8 | 0.9999999999999998 | -- |
| 3 | ISOLEUCINE | Leaf | | | | -- |
| 3 | ISOLEUCINE | Plant | 1470.0 | 17458.0 | 1.3309580391447728 | USDA's Ag Handbook 8 and sequelae) |
| 0 | ISOCELOSANIN | Pt | | | | -- |
| 1 | ISOBETANIN | Pt | | | | -- |
| 6 | IRON | Plant | 8.0 | 384.0 | -0.28609078404129584 | -- |
| 6 | IRON | Leaf | | | | -- |
| 12 | IODINE | Plant | | 0.2 | -0.4468248895819287 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--------------------------------|-----------------|---------|----------|----------------------|--|
| 7 | INDOLE-3-ACETIC-ACID | Sprout Seedling | | | | -- |
| 30 | HYPEROSIDE | Shoot | | | | -- |
| 7 | HISTIDINE | Plant | 640.0 | 7601.0 | 1.1356385926026882 | USDA's Ag Handbook 8 and sequelae) |
| 18 | HISTAMINE | Plant | | | | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. |
| 0 | HEXOSAMINE | Seed | | 380.0 | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 0 | HEXADECATRIENOIC-ACID | Leaf | | | | -- |
| 0 | HEXADECA-7,10,13-TRIENOIC-ACID | Leaf | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 12 | GLYCINE | Plant | 1340.0 | 15914.0 | 1.6896690344750718 | USDA's Ag Handbook 8 and sequelae) |
| 7 | GLUTATHIONE | Plant | 90.0 | 1065.0 | | -- |
| 8 | GLUTAMIC-ACID | Plant | 3430.0 | 40735.0 | 1.5707193839545637 | USDA's Ag Handbook 8 and sequelae) |
| 23 | FOLIC-ACID | Plant | 1.2 | 15.0 | -0.4505134514039695 | -- |
| 15 | FOLACIN | Plant | 1.59 | 27.13 | -0.0465638733379045 | USDA's Ag Handbook 8 and sequelae) |
| 0 | FLUORINE | Leaf | 0.3 | 5.7 | 0.5178738172246513 | ACTA AGRIC SCAND SUPPL 22: 1980 |
| 15 | FIBER | Plant | 6000.0 | 111634.0 | -0.8219381795308445 | -- |
| 61 | FERULIC-ACID | Inflorescence | | | | -- |
| 61 | FERULIC-ACID | Leaf | | 16.0 | 0.37081029570000157 | -- |
| 0 | FAT | Plant | 3070.0 | 46672.0 | -0.07406978675946051 | USDA's Ag Handbook 8 and sequelae) |
| 0 | ETHYL-AMINE | Leaf | | 8.4 | 1.0000000000000002 | -- |
| 3 | ECDYSONE | Seed | | | | -- |
| 0 | DIGALACTOSYLDIACYLGLYCEROL | Plant | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|----------------------|-------------|---------|----------|---------------------|---|
| 2 | DIETHYL-AMINE | Leaf | | 15.0 | | -- |
| 0 | DEHYDROASCORBIC-ACID | Leaf | | | | -- |
| 2 | CYSTINE | Plant | 350.0 | 4157.0 | 0.9786663998162064 | USDA's Ag Handbook 8 and sequelae) |
| 0 | CYSTATHIONINE | Leaf | | 0.2 | | -- |
| 13 | COUMESTROL | Leaf | 0.1 | 100.0 | -1.0 | -- |
| 12 | COPPER | Plant | 0.1 | 24.0 | 1.1055674700843674 | -- |
| 0 | COLAMINE | Leaf | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 2 | COBALT | Plant | 0.001 | 1.2 | -0.4382119966012714 | -- |
| 23 | CITRIC-ACID | Leaf | | 2300.0 | -0.5219939763024926 | Soldatenkov, S. V., Mazurova, T. A., Ranteleev, A. N. 1960. Organic Acids of Onion and Spinach. Trudy Petergof Biol. Inst., Leningrad Gosudarst Univ Im AA Zhdanova, 18: 55-61. |
| 24 | CHROMIUM | Flower | 0.01 | 0.42 | -1.2060967413329013 | ACTA AGRIC SCAND SUPPL 22: 1980 |
| 1 | CHOLESTEROL | Leaf | | | | -- |
| 0 | CHLOROPHYLL-A | Leaf | | | | -- |
| 21 | CHLOROPHYLL | Fruit Juice | | 3.0 | | -- |
| 21 | CHLOROPHYLL | Leaf | | | | -- |
| 77 | CHLOROGENIC-ACID | Shoot | | | | -- |
| 7 | CHLORINE | Plant | 540.0 | 6835.0 | 0.09562346322025084 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 1 | CEPHALIN | Leaf | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 0 | CELOSIANIN | Pt | | | | -- |
| 0 | CARBONIC-ANHYDRASE | Leaf | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|--------------------|-----------------|---------|----------|---------------------|--|
| 0 | CARBOHYDRATES | Plant | 35000.0 | 415660.0 | -1.6530716464562447 | USDA's Ag Handbook 8 and sequelae) |
| 2 | CAMPESTEROL | Sprout Seedling | | | | Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.) |
| 0 | CALSEQUESTRIN | Leaf | | | | -- |
| 1 | CALMODULIN | Leaf | | | | -- |
| 1 | CALMODULIN | Plant | | | | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. |
| 28 | CALCIUM | Plant | 730.0 | 15700.0 | 0.2257645071195088 | -- |
| 102 | CAFFEIC-ACID | Leaf | | | | -- |
| 102 | CAFFEIC-ACID | Shoot | | | | -- |
| 3 | CADMIUM | Leaf | 0.05 | 5.0 | 1.0824728791014093 | ACTA AGRIC SCAND SUPPL 22: 1980 |
| 0 | BROMINE | Leaf | | 4.0 | -0.9927156521845423 | ACTA AGRIC SCAND SUPPL 22: 1980 |
| 4 | BORON | Leaf | 2.4 | 40.0 | -0.5790251325011837 | ACTA AGRIC SCAND SUPPL 22: 1980 |
| 5 | BETANIN | Pt | | | | -- |
| 5 | BETANIN | Tissue Culture | | | | -- |
| 2 | BETA-ECDYSONE | Seed | | 214.5 | | -- |
| 2 | BETA-ECDYSONE | Leaf | | | | -- |
| 2 | BETA-CRYPTOXANTHIN | Leaf | | | | -- |
| 53 | BETA-CAROTENE | Leaf | | 32.5 | -0.9964033865662687 | -- |
| 53 | BETA-CAROTENE | Plant | 4.0 | 690.0 | 3.0097842607969785 | -- |
| 0 | BENZYL-AMINE | Leaf | | 6.1 | 1.394254707125211 | -- |
| 7 | ASTRAGALIN | Shoot | | | | -- |
| 3 | ASPARTIC-ACID | Plant | 2400.0 | 28502.0 | 0.5819483717137405 | USDA's Ag Handbook 8 and sequelae) |
| 0 | ASH | Plant | 16850.0 | 285700.0 | 2.9752400785567166 | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|----------------------------|-------------|---------|----------|----------------------|--|
| 112 | ASCORBIC-ACID | Fruit Juice | | 55.0 | -1.0 | -- |
| 112 | ASCORBIC-ACID | Leaf | | | | -- |
| 112 | ASCORBIC-ACID | Plant | 239.0 | 7595.0 | 1.1893099515743446 | -- |
| 0 | ASCORBATE | Plant | 212.0 | 4450.0 | -1.0 | -- |
| 2 | ARSENIC | Leaf | 0.02 | 0.29 | 0.7318007945426982 | ACTA AGRIC SCAND SUPPL 22: 1980 |
| 14 | ARGININE | Plant | 1620.0 | 19239.0 | 1.2761740025274024 | USDA's Ag Handbook 8 and sequelae) |
| 14 | ARGININE | Leaf | | | | -- |
| 0 | AMMONIA | Leaf | | 18280.0 | 1.1391940589308933 | -- |
| 1 | AMARANTHIN | Pt | | | | -- |
| 5 | ALUMINUM | Leaf | 5.0 | 270.0 | -0.49080851056065206 | ACTA AGRIC SCAND SUPPL 22: 1980 |
| 32 | ALPHA-TOCOPHEROL | Leaf | 12.0 | 419.0 | 0.2913184399571312 | -- |
| 2 | ALPHA-SPINASTEROL | Leaf | | | | -- |
| 1 | ALPHA-LIPOIC-ACID | Plant | 315.0 | 3150.0 | 1.0 | -- |
| 15 | ALPHA-LINOLENIC-ACID | Plant | 480.0 | 13657.0 | 1.4955264890768174 | -- |
| 15 | ALPHA-LINOLENIC-ACID | Leaf | | | | -- |
| 7 | ALPHA-CAROTENE | Leaf | | | | -- |
| 3 | ALANINE | Plant | 1420.0 | 16864.0 | 0.5700171464175169 | USDA's Ag Handbook 8 and sequelae) |
| 19 | ACETYL-CHOLINE | Leaf | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 0 | 7-STIGMASTEROL | Leaf | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 0 | 6-PHYTYLTOLUQUINOL | Leaf | | | | -- |
| 0 | 6-(HYDROXYMETHYL)-LUMAZINE | Leaf | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|---|------------|---------|----------|---------------------|--|
| 0 | 4',5-DIHYDROXY-3,3'-DIMETHOXY-6,7-METHYLENEDIOXYFLAVONE | Leaf | | | | -- |
| 0 | 3-HYDROXYTYRAMINE | Leaf | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 0 | 3,3',4',5,7-PENTAHYDROXY-6-METHOXYFLAVONE | Leaf | | | | -- |
| 0 | 24(28)-DEHYDROMAKISTERONE | Seed | | | | -- |
| 0 | 2-CARBOXYARABINITOL | Leaf | | 5.0 | -0.8745646032794931 | Moore, B. D., Isidoro, E., Seemann, J. R. 1993. Distribution of 2-Carboxyarabinitol Among Plants. Phytochemistry 34 3: 703-707. Dept. Biochem. Univ. Nevada Reno 89557, USA. |