

P **Garcinia mangostana**

Common Name(s)

Mangosteen, Mangostin

| Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|----------|--|---------|----------|--------|---|
| 0 | 1,3,6,7-TETRAHYDROXYANTHONE | Wood | -- | -- | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 0 | 1,3,6,7-TETRAHYDROXYANTHONE-O-GLUCOSIDE | Wood | -- | -- | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 0 | 1,5-DIHYDROXY-2-(3-METHYLBUT-2-ENYL)-3-METHOXYXANTHONE | Fruit | -- | -- | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 0 | 1FAT | Seed | 1000 | 34285 | Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981. |
| 0 | 8-DEOXYGARTANIN | Fruit | -- | -- | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 112 | ASCORBIC-ACID | Fruit | 10 | 255 | -0.26863387232770786 |
| 0 | ASH | Fruit | 2000 | 13140 | -1.1270628917742929 Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981. |

| Chemical Plant Part | | Low PPM | High PPM | StdDev | Reference | Citation |
|---------------------|------------------------|---------------|----------|--------|----------------------|--|
| 53 | BETA-CAROTENE | Fruit | -- | -- | -0.15080062913063783 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | BETA-MANGOSTIN | Latex Exudate | 20000 | 20000 | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 13 | BETULIN | Leaf | 250 | 250 | -0.3734602660953271 | Jim Duke's personal files. |
| 28 | CALCIUM | Fruit | 100 | 637 | -0.7428837330492978 | |
| 0 | CARBOHYDRATES | Fruit | 143000 | 960000 | 0.9471426910296563 | Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981. |
| 1 | CATECHINS | Fruit | 50000 | 60000 | 1 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 1 | CATECHINS | Petiole | 700000 | 140000 | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 0 | CIS-HEX-3-ENYL-ACETATE | Fruit | -- | -- | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 0 | CIS-S-3-HEXEN-1-OL | Fruit | -- | -- | | Chemical Constituents of Oriental Herbs (3 diff. books) |

| Chemical Plant Part | | Low PPM | High PPM | StdDev | Reference | Citation |
|---------------------|-----------------|---------|----------|--------|----------------------|--|
| 23 | CITRIC-ACID | Fruit | 4200 | 27815 | -0.19634531701139735 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 0 | FAT | Seed | 30000 | 30000 | -1.2398706410167792 | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 15 | FIBER | Fruit | 50000 | 318000 | 1.6638744250833306 | Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981. |
| 0 | GAMMA-MANGOSTIN | Fruit | -- | -- | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 0 | GARCINONES | Petiole | -- | -- | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 0 | GARTANIN | Fruit | -- | -- | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 1 | HEXYL-ACETATE | Fruit | -- | -- | | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 6 | IRON | Fruit | 2 | 46 | -0.34501858068163765 | Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981. |

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|---------------------|---|---------------|----------|--------|--|
| 0 | KILOCALORIES | Fruit | 600 | 3630 | -0.046403210827852405 |
| 1 | MACLURIN | Wood | -- | -- | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 4 | MANGOSTIN | Fruit | -- | -- | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| 4 | MANGOSTIN | Latex Exudate | 300000 | 500000 | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 0 | N,7DIHYDROXY-2-(3-METHYLBUT-2-ENYL)-3-METHOXYXANTHONE | Fruit | -- | -- | Chemical Constituents of Oriental Herbs (3 diff. books) |
| 39 | NIACIN | Fruit | 6 | 38 | -0.3034343823528566 CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 24 | PECTIN | Fruit | 1000 | 5000 | -0.5708847475914279 |
| 4 | PHOSPHORUS | Fruit | 100 | 685 | -0.7687637801443605 |
| 0 | PHYTIN | Fruit | 1190 | 6560 | Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981. |
| 14 | POTASSIUM | Fruit | 1350 | 8560 | -0.8278041054214734 CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |

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|---------------------|------------|---------|----------|--------|----------------------|--|
| 0 | PROTEIN | Fruit | 5000 | 34285 | -1.008270209669702 | Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981. |
| 15 | RIBOFLAVIN | Fruit | 0.2 | 1.3 | -0.7944081953947483 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 1 | SODIUM | Fruit | 10 | 64 | -0.1778817383339391 | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses |
| 0 | SUGARS | Fruit | 164200 | 960000 | 3.0784222968003947 | |
| 31 | THIAMIN | Fruit | 0.3 | 1.9 | -0.43940500331865456 | |
| 0 | WATER | Fruit | 802000 | 849000 | 0.3409960382384781 | Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981. |