



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

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CERTIFICATE OF ANALYSIS

Catalog Number: 06-209

Product Name: **ALKANNIN**
(Shikalkin; (-)-Shikonin)

CAS Number: [517-88-4]

Lot Number: 1912360

Chemical Formula: C₁₆H₁₆O₅

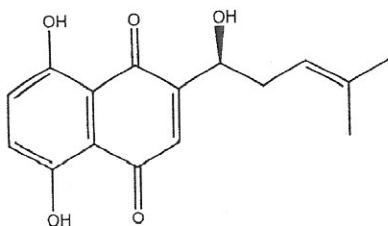
Molecular Weight: 288.30

Appearance: Dark red powder

Loss on Drying: 2.1%

Storage: Store at 2-8°C. Protect from light.

Purity(HPLC): 98.72%



Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and Approved by:
Sujata Moton
Sujata Moton
VP



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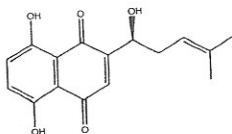
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HPLC ANALYSIS



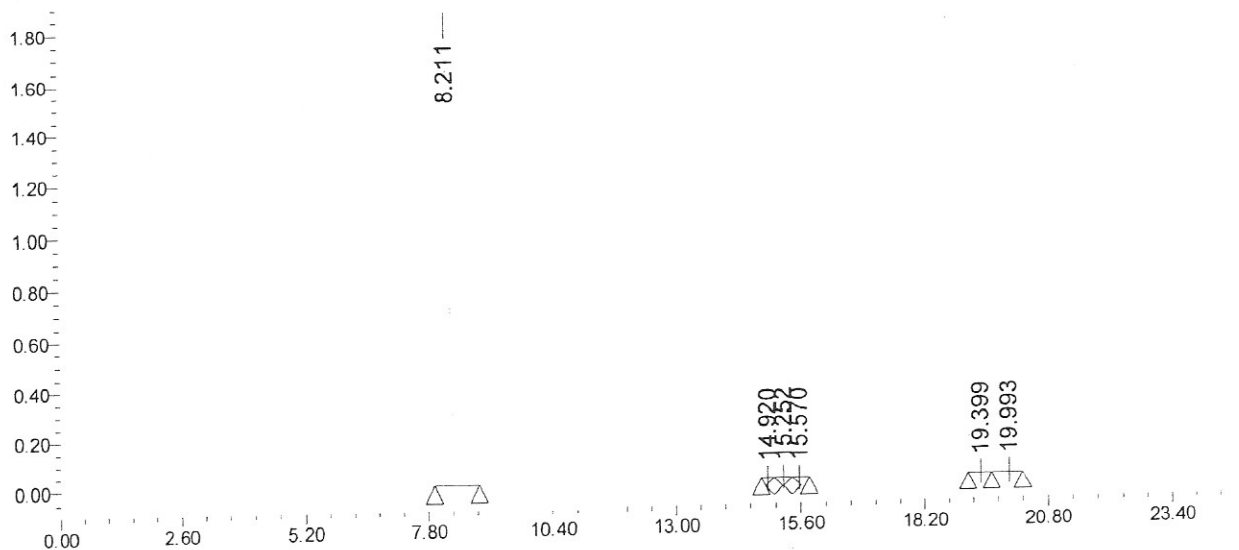
Catalog No.: 06-209
Product Name: Alkannin
Lot No.: 1912360

SAMPLE INFORMATION

Sample Name: Shikonin
Sample Type:
Vial: 69
Injection #: 1
Injection Volume: 10.00 ul
Run Time: 25.0 Minutes

Acquired By: prf01
Sample Set Name:
Acq. Method Set: Shikonin
Processing Method: sample
Channel Name: 214.0
Proc. Chnl. Descr.: PDA 214.0

Auto-Scaled Chromatogram



Peak Results

| | RT | Area | % Area | USP | USP |
|---|--------|----------|--------|---------|----------|
| 1 | 8.211 | 13385996 | 98.72 | 1817147 | 29968.02 |
| 2 | 14.920 | 7733 | 0.06 | 1050 | 33.33 |
| 3 | 15.252 | 32041 | 0.24 | 3804 | 1.53 |
| 4 | 15.570 | 8682 | 0.06 | 1010 | 1.35 |
| 5 | 19.399 | 59144 | 0.44 | 4523 | 12.90 |
| 6 | 19.993 | 65702 | 0.48 | 6955 | 2.00 |

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