



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

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Cat No.: P-005

Product:

PLUMBAGIN

(5-Hydroxy-2-methyl-1,4-naphthoquinone)

Cas Number:

[481-42-5]

Lot Number:

1108156

Chemical Formula:

$C_{11}H_8O_3$

Molecular Weight:

188.18

Melting Point:

76-78°C

Appearance:

Orange crystalline powder

Solubility:

Soluble in chloroform

TLC:

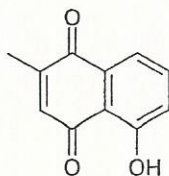
Hexane:Ethyl acetate (9:1)

Storage:

Cool dry place

Assay(HPLC):

99.79%





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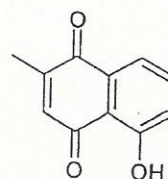
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HPLC ANALYSIS

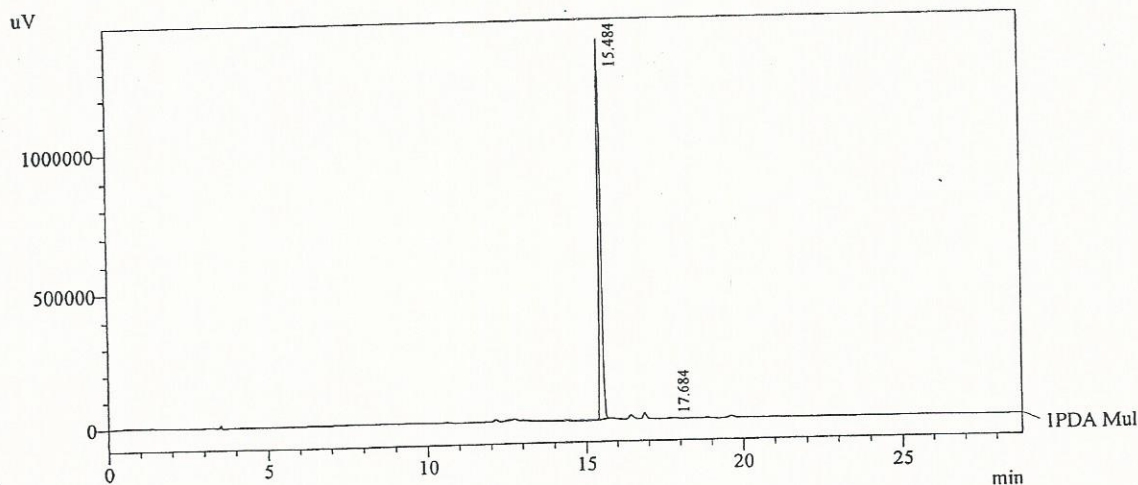
Acquired by : Madhuri
Sample Name : Plumbagin
Sample ID :
Injection Volume : 20 uL
Data Filename : 170511H.lcd
Method Filename : Linear Gradient.M.lcm

Cat. No.: P-005
Product name: Plumbagin
Lot No.: 1108156

Description:
Column : Phenomenex C-18, 250X4.6mm 5.0µm
Flow : 1.000ML/min.
Mobile Phase : A(0.05% TFA in Water) B(ACN)
0.01 90 10
12.0 10 90
20.0 10 90
25.0 90 10



Chromatogram



PeakTable
PDA Ch1 240nm 4nm

Peak#	Ret. Time	Area	Height	Area %
1	15.484	8178274	1392807	99.795
2	17.684	16804	2681	0.205
Total		8195078	1395488	100.000