



# INDOFINE Chemical Company, Inc.

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## HPLC ANALYSIS

**020450S**

**ALOE EMODIN**

**Lot No.: 05082913**

### IDENTIFICATION

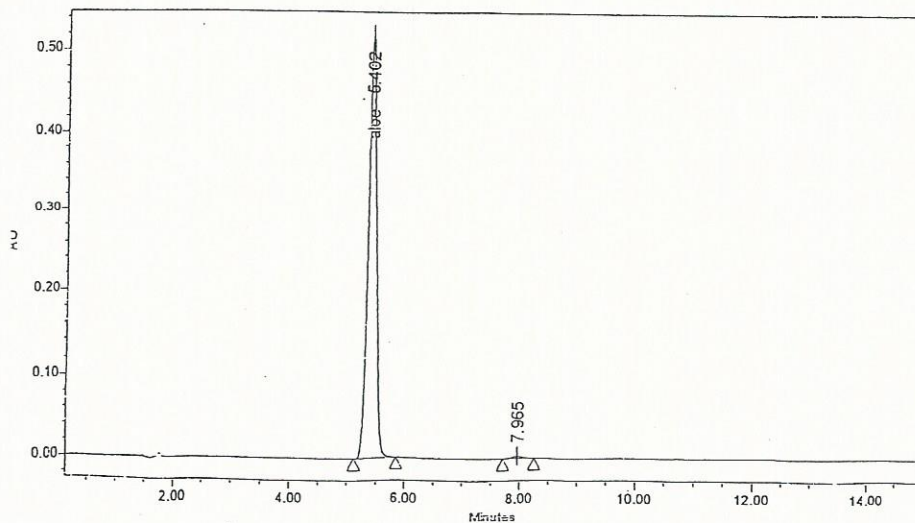
Cas number [481-72-1]  
Chemical family Quinones-Antraquinones  
Chemical name 1,8-Dihydroxy-3-hydroxymethylanthraquinone  
Molecular formula  $C_{15}H_{10}O_5$   
Molecular weight 270.23

### CERTIFICATE OF ANALYSIS

Appearance Powder  
Melting point 224-225°C  
Thin layer chromatography support Silicagel  
solvent Hexane / Ethyl acetate (70/30, V/V)  
detection Visible  
Moisture 1.58 %  
Absorption maxima 254, 276.5, 286, 428 nm in methanol  
Storage Store at +18°C in a dry and dark place. Place in a desiccator under vacuum for 48 hours before use

### HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column Symmetry Shield RP18® (4.6 x 150 mm), particle size 3.5 µm  
Solvent Water / methanol (25/75, V/V)  
Flow rate 1 ml/min  
Detector 430 nm  
Capacity factor 2.09  
Sample solvent Acetone



Peak Results

Name	RT	Area	Height	% Area	colonne	solvent
1 aloe	5.402	5138905	522021	99.23	ss5	25a75b
2	7.965	40101	2574	0.77	ss5	25a75b