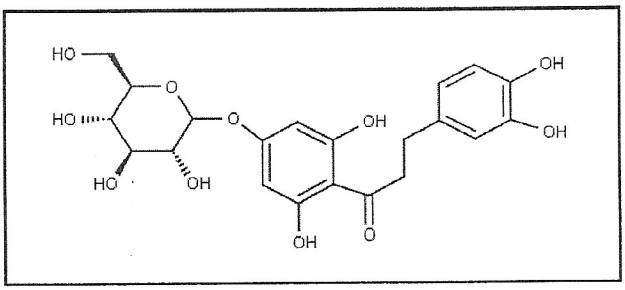
INDOFINE Chemical Company, Inc.
121 Stryker Lane, Bldg. 30
Hillsborough, NJ 08844 USA
Phone: (908) 359-6778; Fax: (908) 359-1179

Certificate Of Analysis

021358S SIEBOLDIN Lot No.: 23122102

CAS RN	18777-73-6
MOL FORMULA	$C_{21}H_{24}O_{11}$
MOL WEIGHT	452,42



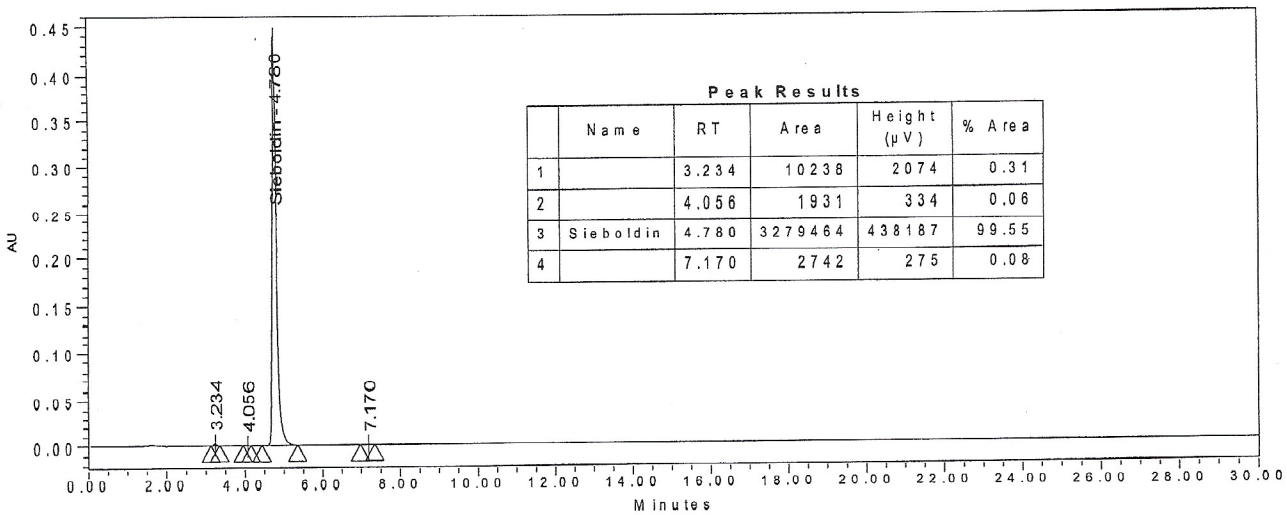
TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		Yellow powder	Conform
Water content	KF	% w/w		2,7
Residual solvents	GC-HS	% w/w		0,1
Inorganics	ICP-MS	% w/w		0,2
Purity	HPLC	% area	≥ 99,0	99,6
Assay	**Calculated (*)**	**% w/w**		**96,6**

(*) Assay = Purity by HPLC x (100 - %water - %solvents - %inorganics)

CHROMATOGRAPHIC PURITY / HPLC

Column : Symmetry Shield RP18 - 4,6x150 mm - 3,5 µm
Mobile phase : Water + 0,3%H_3PO_4 75 / ACN 25 (v/v)
Detection : UV 280 nm

Temperature : 30°C
Flow rate : 1 ml/min
Injection volume : 5 µl
Injection solvent : EtOH



Peak Results

	Name	RT	Area	Height (µV)	% Area
1		3.234	10238	2074	0.31
2		4.056	1931	334	0.06
3	Sieboldin	4.780	3279464	438187	99.55
4		7.170	2742	275	0.08

LONG TERM STORAGE : Below 8°C in a dry and dark place

Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and Approved by:
Sujata Moton
Sujata Moton
VP