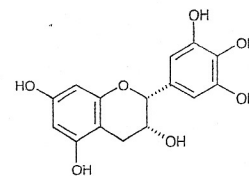




# INDOFINE Chemical Company, Inc.

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**HPLC**      **Lot No.: 13032208**

**(-)-EPIGALLOLLOCATECHIN**      **020979S**

### IDENTIFICATION

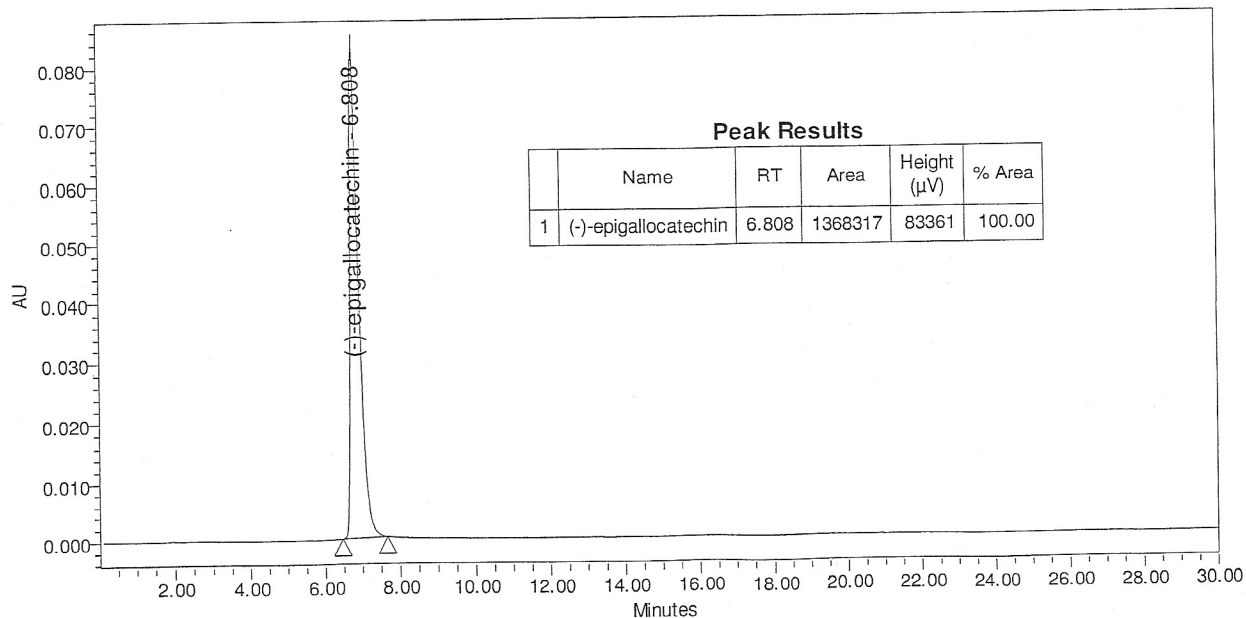
CAS number	[970-74-1]
Chemical family	Catechins, Tannins
Synonym	(-)-3,3',4',5,5',7-Hexahydroxyflavan
Molecular formula	C <sub>15</sub> H <sub>14</sub> O <sub>7</sub>
Molecular weight	306.28

### CERTIFICATE OF ANALYSIS

Appearance	Beige coloured powder	
Absorption maxima	271, 279sh nm in Ethanol	
Melting point	214-215°C	
[α] <sub>D</sub>	-55° (c=0.2 in ethanol)	
Residual solvents	< 0.5%	
Thin layer chromatography	support	Silicagel
	solvent	Ethylacetate/methylene chloride/formic acid (7/2/1, V/V/V)
	detection	p-Anisaldehyde/acetic acid/sulfuric acid (1/40/1, V/V/V) 10mn at 110°C
Storage	Store at +2/8°C in a dry and dark place. Place in a desiccator under vacuum before use	

### HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column	Symmetry Shield RP18® (4.6 x 150 mm), particle size 3.5 μm
Solvent	Water/acetonitrile (88/12, V/V)
Flow rate	1 ml/mn
Detector	UV visible 270 nm
Sample solvent	Mobile phase



Assay by an HPLC method.

Date of last QC-recheck      *January 2013*  
Date of retest                      *January 2017*

*The values given on the 'Certificate of Analysis' are the results determined at the time of analysis.*