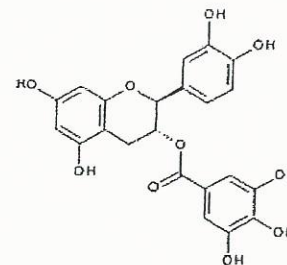




# INDOFINE Chemical Company, Inc.

121 Stryker Lane, Building 30  
Hillsborough, NJ 08844 USA  
Phone: (908) 359-6778; Fax: (908) 359-1179



## HPLC ANALYSIS

**020972S (-)-CATECHIN GALLATE Lot No.: 16072202**

### IDENTIFICATION

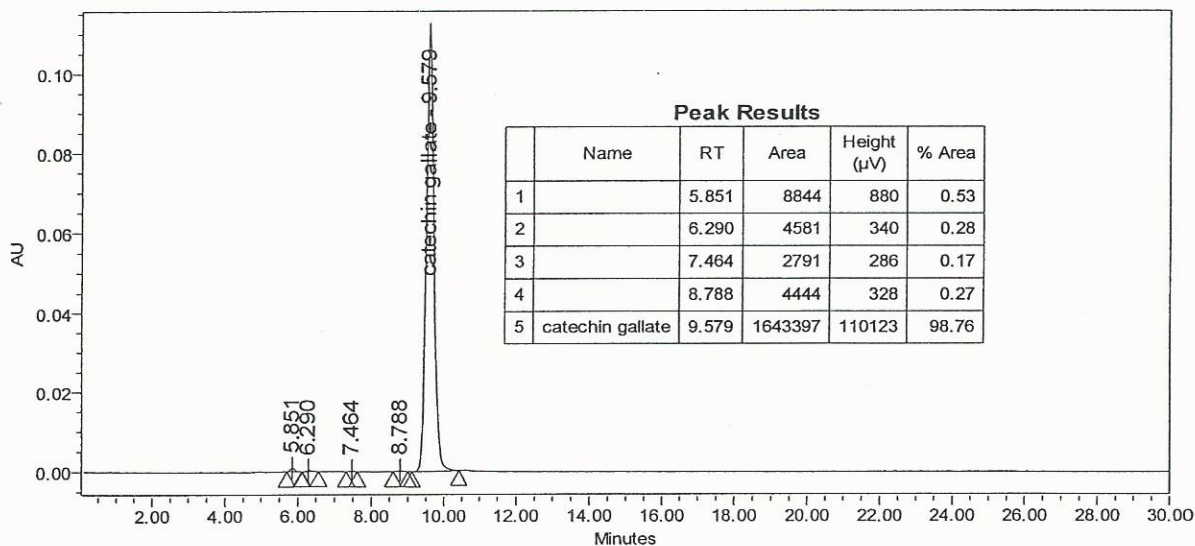
CAS number [130405-40-2]  
Molecular formula  $C_{22}H_{18}O_{10}$   
Molecular weight 442.38

### CERTIFICATE OF ANALYSIS

Appearance Beige coloured powder  
Moisture 3.8 %  
Residual solvents < 0.5%  
Absorption maxima 280 nm in ethanol  
 $[\alpha]_D$  -95° c=0.2 in acetone/water (50/50, V/V)  
Thin layer chromatography support Silicagel  
solvent Ethylacetate/methylene chloride/formic acid (60/30/5, 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  $\mu$ m  
Solvent Water/acetonitrile (78/22, V/V/V)  
Flow rate 1 ml/mn  
Detector UV visible 280 nm  
Sample solvent Mobile phase



Assay by an HPLC method

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