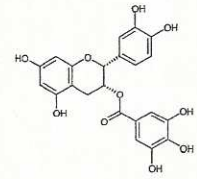




INDOFINE Chemical Company, Inc.

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Phone: (908) 359-6778; Fax: (908) 359-1179



HPLC Lot No.: 13110408

(-)-EPICATECHIN GALLATE

020978S

IDENTIFICATION

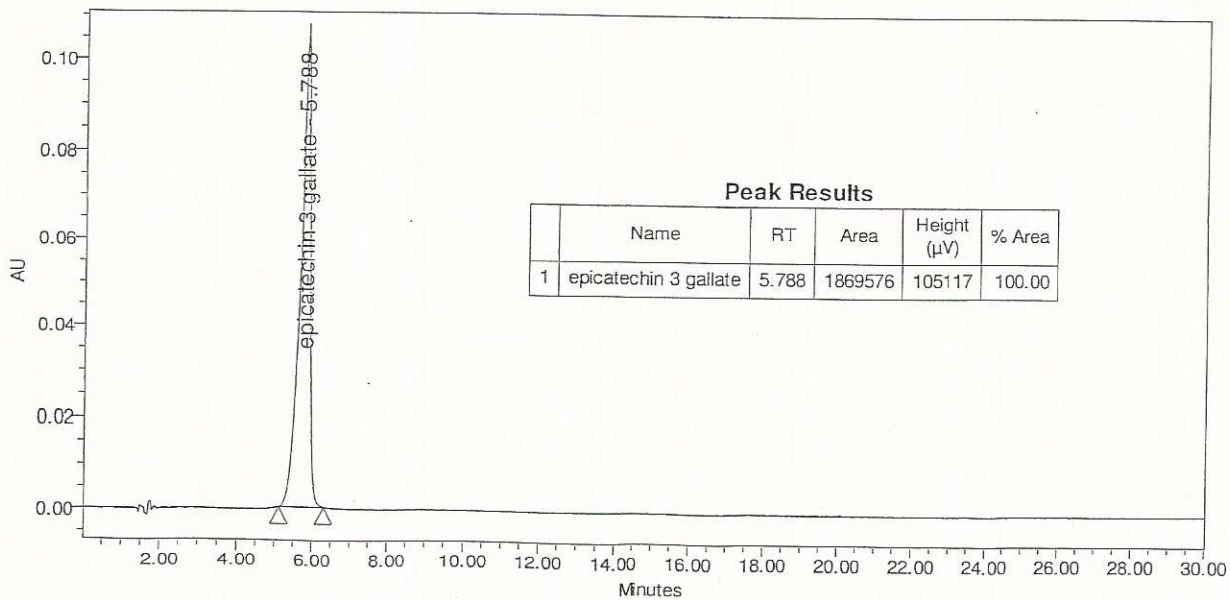
| | |
|-------------------|---|
| CAS number | [1257-08-5] |
| Chemical family | Catechins, Tannins |
| Molecular formula | C ₂₂ H ₁₈ O ₁₀ |
| Molecular weight | 442.37 |

CERTIFICATE OF ANALYSIS

| | |
|---------------------------|---|
| Appearance | White powder |
| Absorption maxima | 279 nm in ethanol |
| Melting point | 250°C |
| [α] _D | -189° (c=0.2 in acetone) |
| Moisture | 0.7% |
| Residual solvents | <0.5% |
| 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 μm |
| Solvent | Water/methanol/acetonitrile (65/25/10, V/V/V) |
| Flow rate | 1 ml/min |
| Detector | UV visible 280 nm |
| Sample solvent | Ethanol |



Assay by an HPLC method.

Date of last QC-recheck: November 2011

Date of retest: November 2015

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