

ICG **INDOFINE Chemical Company, Inc.**

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CERTIFICATE OF ANALYSIS

Cat No.: 020135S

Product: HEDERACOSIDE C with HPLC

CAS No.: [14216-03-6]

Chemical family: Saponins

Lot Number: 11012811

Molecular Formula: C₅₉H₉₆O₂₆

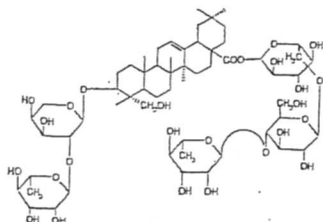
Molecular Weight: 1221.4

Melting Point: 222°C (dec)

Appearance: White powder

Purity (HPLC): 98%

Storage: Store at room temperature in a dry and dark place



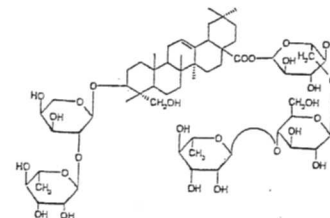


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HPLC

Batch: 11

HEDERACOSIDE C

020135S

IDENTIFICATION

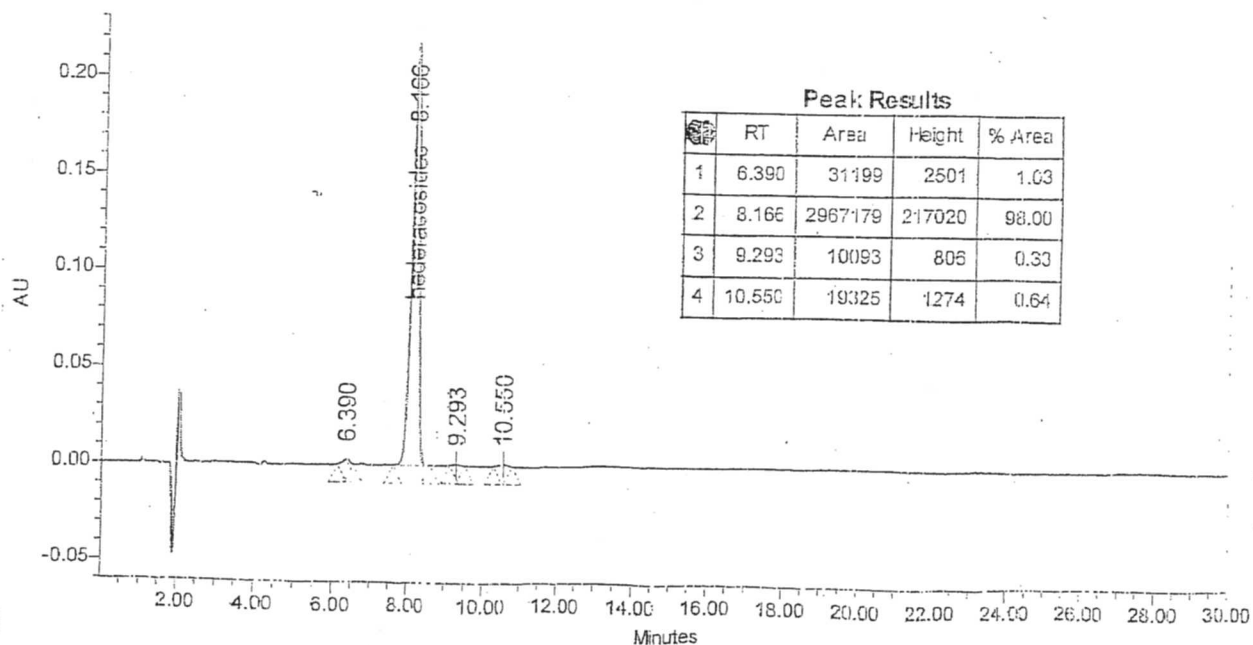
CAS number [14216-03-6]
Chemical family Saponins
Molecular formula $C_{59}H_{96}O_{26}$
Molecular weight 1221.39

CERTIFICATE OF ANALYSIS

Appearance White powder
Melting point 222°C, dec
Thin layer chromatography support Silicagel
solvent Methylene chloride/methanol/water (30/15/2:V/V/V)
detection p-Anisaldehyde/acetic acid/sulfuric acid (1/40/1:V/V/V)
then heating 10 mn at 110°C
Storage store at room temperature in a dry and dark place.

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column Symmetry Shield RP18® (4.6 x 150 mm), particle size 3.5 µm
Solvent Water / Acetonitrile (72/28, V/V)
Flow rate 1ml/mn
Detector UV visible 200 nm
Sample solvent Water



Product no-certified. Assay by an HPLC method.

Date of last QC-recheck : 03/03/08

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