



INDOFINE Chemical Company, Inc.

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CERTIFICATE OF ANALYSIS

Catalog Number: 021027S

Product Name: **HYPEROSIDE WITH HPLC**
(Quercetin-3-O-galactoside; Hyperin)

Cas Number: [482-36-0]

Lot Number: 12080225

Chemical Formula: $C_{21}H_{20}O_{12}$

Molecular Weight: 464.38

Melting Point: 213-214°C

Appearance: Yellow powder

Moisture: 3%

Residual solvents: 2.3%

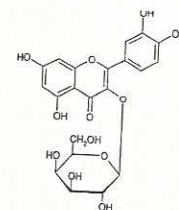
Storage: Store at room temperature in a dry and dark place.
Store in a desiccator.

Purity(HPLC): 99.59%



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HPLC

Lot No.: 12080225

HYPEROSIDE

021027S

IDENTIFICATION

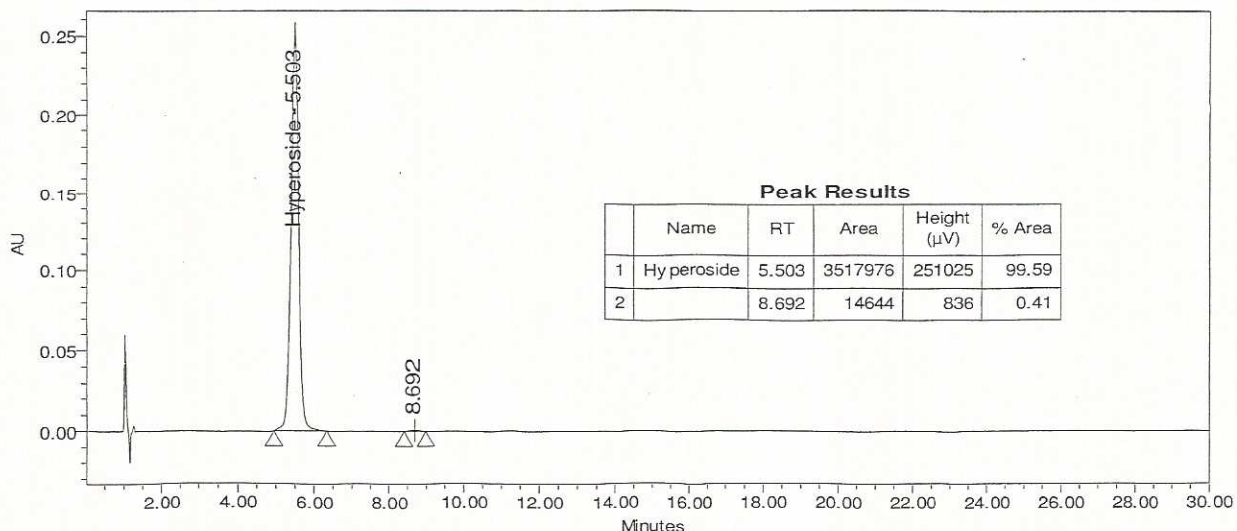
CAS number	[482-36-0]
Chemical family	Flavonoids
Chemical names	Quercetin-3-O-galactoside ; Hyperin
Molecular formula	C ₂₁ H ₂₀ O ₁₂
Molecular weight	464.38

CERTIFICATE OF ANALYSIS

Appearance	Yellow powder	
Melting point	213-214°C	
Moisture	3 %	
Residual solvents	2.3 %	
Thin layer chromatography	support	Silicagel
	solvent	Ethyl acetate/formic acid/acetic acid/methylethylketone 50/7/3/30/10, V/V/V/V/V
	detection	U.V
Absorption maxima	257, 269sh, 297sh, 359 nm in methanol	
Storage	Store at room temperature in a dry and dark place. Place in a desiccator under vacuum before use	

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column	Nova pak C18® (3.9 x 150 mm), particle size 4 μm
Solvent	Water + 5% acetic acid / Acetonitrile (88/12, V/V)
Flow rate	1 ml/mn
Detector	UV visible 254 nm
Sample solvent	Methanol



Assay by an HPLC method.

Date of last QC-recheck : June 2012

Date of retest : June 2016

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