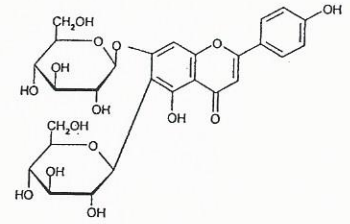




# INDOFINE Chemical Company, Inc.

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## HPLC ANALYSIS

**021238S**                      **SAPONARIN**                      **Lot No.: 16031606**

### IDENTIFICATION

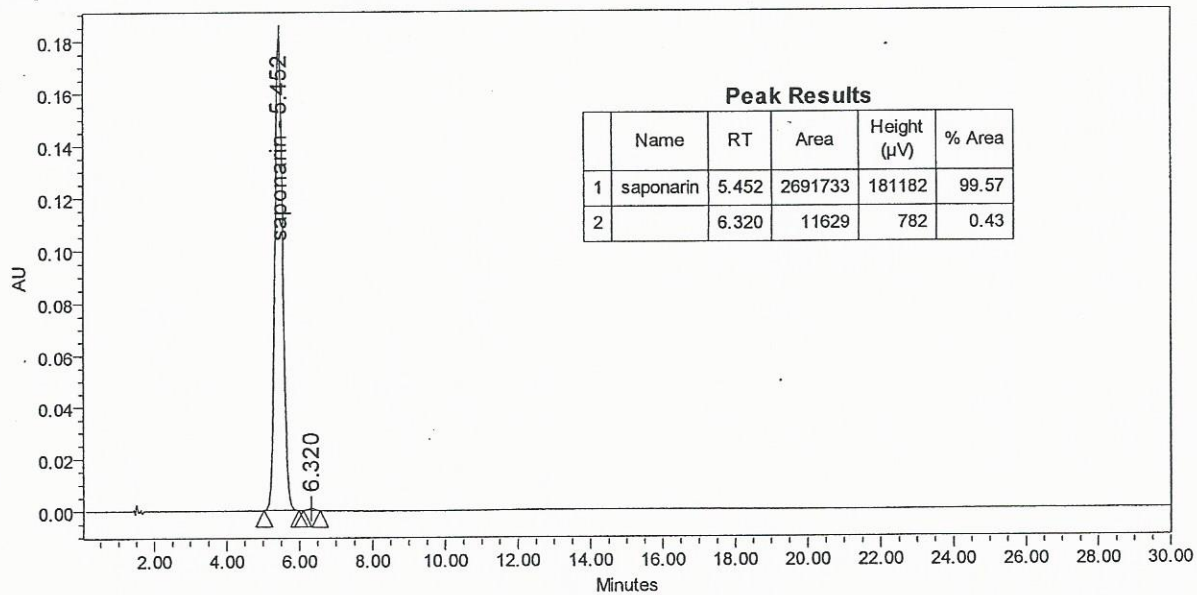
CAS number	[20310-89-8]
Chemical family	Flavonoids
Synonym	Isovitexin-7-O-glucoside; Saponaretin-7-O-glucoside
Molecular formula	C <sub>27</sub> H <sub>30</sub> O <sub>15</sub>
Molecular weight	594.52

### CERTIFICATE OF ANALYSIS

Appearance	Lightly yellow powder	
Melting point	228°C, dec	
Moisture	4.2%	
Residual solvents	< 0.5%	
Thin layer chromatography	support	Silicagel
	solvent	Ethyl acetate/methylethylketone/formic acid/water (5/3/1/1 : V/V/V/V)
	detection	U.V.
Absorption maxima	272, 333 nm in methanol	
Storage	Store at room temperature in a dry and dark place. Place in a desiccator under before use	

### HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column	Nova pak C18® (3.9 x 150 mm), particle size 4 µm
Solvent	Water + 5% acetic acid / Methanol (80/20, V/V)
Flow rate	1 ml/mn
Detector	UV visible 270 nm
Sample solvent	Methanol



Assay by an HPLC method.

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