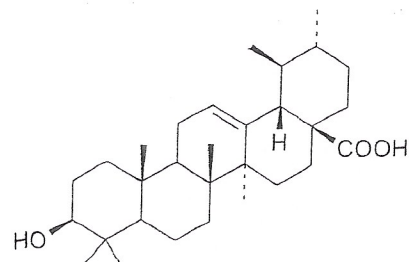




**INDOFINE Chemical Company, Inc.**

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# Certificate Of Analysis

**020037S**                      **URSOLIC ACID**                      **Lot No.: 11020912**

## IDENTIFICATION

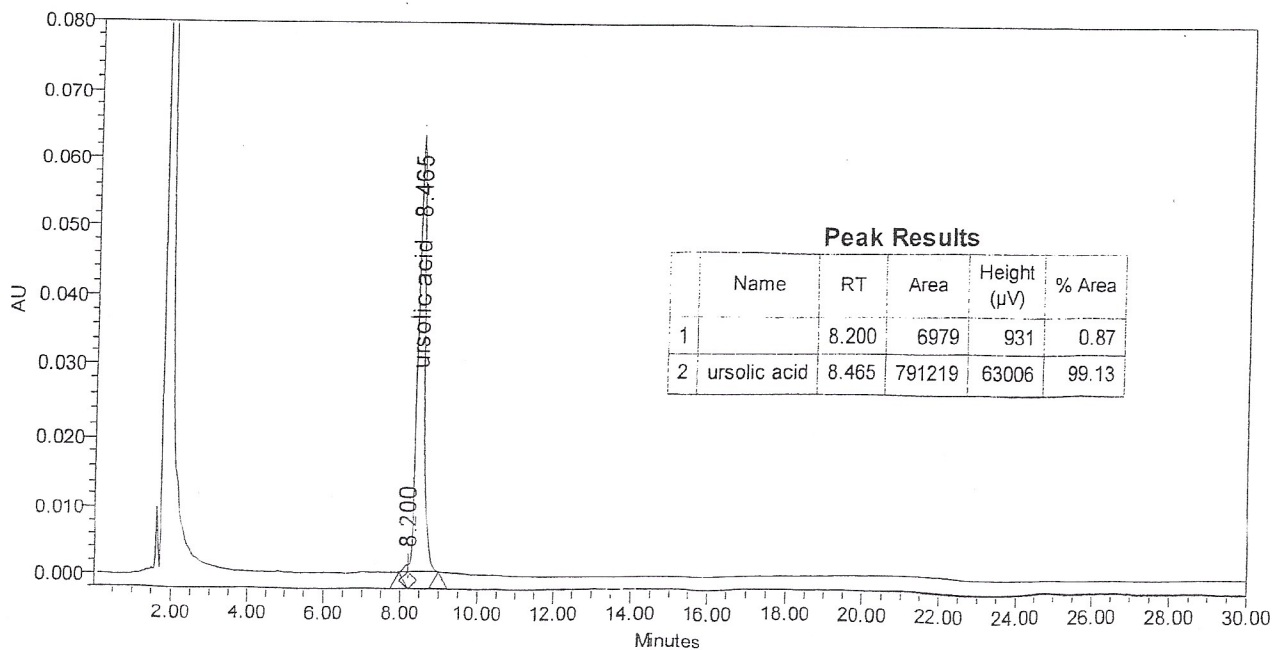
CAS number	[77-52-1]
Chemical family	Triterpenoids
Chemical names	3-β-Hydroxyurs-12-en-28-oic acid
Molecular formula	C <sub>30</sub> H <sub>48</sub> O <sub>3</sub>
Molecular weight	456.71

## CERTIFICATE OF ANALYSIS

Appearance	White powder	
Moisture	0.7%	
Residual solvent	<0.5%	
Thin layer chromatography	support	Silicagel
	solvent	Methylene chloride/methanol (97/3, V/V)
	detection	p-anisaldehyde/acetic acid/sulfuric acid (1/40/1:V/V/V) then heating at 110°C 10 mn
Storage	Store at room temperature in a dry and dark place. Place in a desiccator under vacuum for 48 hours before use.	

## HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column	Symmetry Shield RP18® (4.6 x 150 mm), particle size 3.5 µm
Solvent	Water / Acetonitrile (3/97, V/V)
Flow rate	1 ml/mn
Detector	UV visible 200 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.*