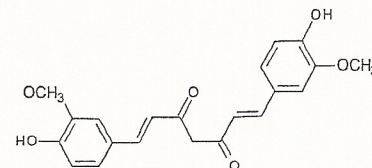




# INDOFINE Chemical Company, Inc.

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



**HPLC** **Batch: 01**

**CURCUMIN** **024739S**

## IDENTIFICATION

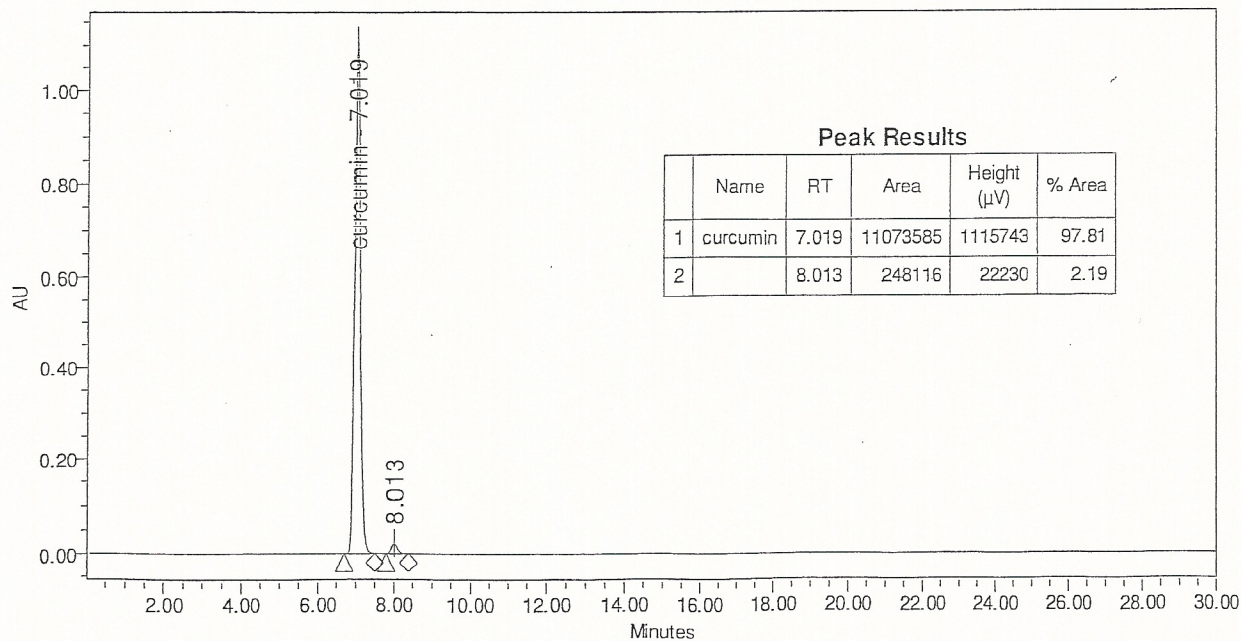
CAS number	[458-37-7]
Chemical family	Phenolic acids and derivatives
Molecular formula	C <sub>21</sub> H <sub>20</sub> O <sub>6</sub>
Molecular weight	368.39

## CERTIFICATE OF ANALYSIS

Appearance	Lightly orange powder	
Melting point	181-182°C	
Absorption maxima	265, 429 nm in ethanol	
Moisture	< 0.5%	
Residual solvent	< 0.5%	
Thin layer chromatography	support	Silicagel
	solvent	Toluene/ethyl formate/formic acid (5/4/1, V/V/V)
	detection	U.V
Storage	<b>IRRITANT</b>	Store at room temperature 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 + 0.3% H <sub>3</sub> PO <sub>4</sub> / Acetonitrile (45/55, V/V)
Detector	UV visible 430 nm
Sample solvent	Ethanol



Assay by an HPLC method.  
Date of last QC-recheck : October 2011  
Date of retest: October 2015

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