



INDOFINE Chemical Company, Inc.

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H P L C

Batch: 04

5,7-DIMETHOXYCOUMARIN

020581S

IDENTIFICATION

Cas number [487-06-9]
Chemical family Coumarins
Chemical name 5,7-Dimethoxycoumarin
Molecular formula $C_{11}H_{10}O_4$
Molecular weight 206.19

CERTIFICATE OF ANALYSIS

Appearance White powder
Melting point 149-150°C
Thin layer chromatography support Silicagel
solvent Methylene chloride
detection U.V.
Absorption maxima 245.5, 254, 326.5 nm in methanol
Storage Store at +4°C 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 + 5% acetic acid / methanol / acetonitrile (60/20/20, V/V/V)
Flow rate 1 ml/min
Detector UV visible 254 nm
Capacity factor 4.93
Sample solvent Methanol

