



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	M1103
Lot Number	002290-010614
Product	4-Methylumbelliferyl-β-D-glucuronide hydrate

MUG

7-(4-Methylcoumaryl)- β -D-glucopyranosiduronic acid hydrate

CAS Number	6160-80-1
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Molecular Formula	$C_{16}H_{16}O_9$
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Molecular Weight	352.3
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Appearance	White crystalline powder
Solubility	Clear colorless solution (5% in Water)
Water Content (Karl Fisher)	9.85%
Related Substances	Methylumbelliferone: 15 ppm
Purity by HPLC	99.58%
Storage	Store at 0-8 °C

Prepared by:
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Ramesh Mandadi
Director of Operations

Reviewed and Approved by:
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VP