



INDOFINE Chemical Company, Inc.

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-CERTIFICATE OF ANALYSIS-

Product: L-Tryptophan 7-amido-4-methylcoumarin hydrochloride

Code Number: BIO-699

CAS Number: 201860-49-3

Formula: $C_{21}H_{19}N_3O_3 \cdot ClH$

Batch Number: 485836

Appearance: White solid

Water content: 0.7% by KF

Optical Rotation: 215.9 (c=1 in MeOH)

Titration: 100.6% Perchloric Acid
Titration

Identity: NMR conforms to structure.

Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and approved by:
Sujata Moton
S. Moton
VP