



Certificate of Analysis

L-Valine Beta-Naphthylamide

Catalog Number: VN1001
Lot Number: 0814803
CAS Number: 729-24-8
Molecular Formula: C₁₅H₁₈N₂O
Molecular Weight: 242.32
Storage: -20°C
Date of Manufacture: February 10, 2018
Retest Date: February 9, 2021

Test	Specification	Result
Appearance	White powder	Conforms
Purity (TLC)	≥ 99%	> 99%
Assay (Elemental Analysis)	99% (Nth 11.56%, Nfd 11.45%)	99.0%
Appearance of Solution (50mg/ml in Methanol)	Clear, colorless solution	Conforms
Identification (Elemental Analysis) Carbon (C) Hydrogen (H) Nitrogen (N)	Calculated: 74.4% 7.5% 11.6%	Actual: 74.1% 7.9% 11.4%
Identification (TLC)	To match standard	Conforms
Specific Rotation (1% in methanol)	+16.8° to +19.5°	+18.1°
Related Impurities (β-NA, TLC)	≤ 0.1%	< 0.1%
Moisture (KF)	≤ 0.2%	0.2%

Approved by:

John Grubb, PhD
Gojira Fine Chemicals, LLC
Quality Manager
Tel: 440-539-7033 Fax: 888-211-5523
john@gojirafc.com

Date: August 15, 2018