

## Analytical Data Sheet

Lot number

**1071382**

not for drug use

Catalog number	G-2495.0001
Product number	4000131.0001
Product	H- Leu- Gly- OH
Molecular formula	C <sub>8</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub>
Relative molecular mass	188.23

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (elemental analysis)	Theory Found C = 47.6% C = 47.7% H = 8.7% H = 9.1% N = 13.9% N = 13.9%  calc. x 0.75 H <sub>2</sub> O (6.7%)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +83.1^\circ$ (1% in water)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H <sub>2</sub> O 70/42/0.5/10 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	93.2% (TBAH)
Water content (KF volumetric)	6.7%

Latest update: April 24, 2017

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