

## Analytical Data Sheet

Lot number **1062918**  
not for drug use

Catalog number **G-2495.0005**  
Product number **4000131.0005**  
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)	<p>Theory Found</p> <p>C = 47.6% C = 47.7%</p> <p>H = 8.7% H = 9.1%</p> <p>N = 13.9% N = 13.9%</p> <p>calc. x 0.75 H<sub>2</sub>O (6.7%)</p>
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +83.1^\circ$ (1% in water)
Purity (TLC)	> 99%
TLC conditions	<p>n-butanol/acetic acid/H<sub>2</sub>O 4/2/2</p> <p>chloroform/methanol/acetic acid 32% 5/3/1</p> <p>chloroform/methanol/acetic acid/H<sub>2</sub>O 70/42/0.5/10</p> <p>plate: silicagel 60 F<sub>254</sub></p> <p>detected by: UV, ninhydrin, chlorine-tolidine</p>
Assay (titration)	93.2% (TBAH)
Water content (KF volumetric)	6.7%

Latest update: December 02, 2015

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