

## Analytical Data Sheet

Lot number **1000017915**  
not for drug use

Retest date n/a  
 Catalog number **E-2500.0100**  
 Product number **4031215.0100**  
 Product **H- Trp- OH**  
 Molecular formula  $C_{11}H_{12}N_2O_2$   
 Relative molecular mass 204.23

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (10 mg/mL in water)								
Identification (elemental analysis)	<table> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 64.7%</td> <td>C = 65.1%</td> </tr> <tr> <td>H = 5.9%</td> <td>H = 6.0%</td> </tr> <tr> <td>N = 13.7%</td> <td>N = 13.7%</td> </tr> </table>	Theory	Found	C = 64.7%	C = 65.1%	H = 5.9%	H = 6.0%	N = 13.7%	N = 13.7%
Theory	Found								
C = 64.7%	C = 65.1%								
H = 5.9%	H = 6.0%								
N = 13.7%	N = 13.7%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -31.7^\circ$ (1% in water)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
Other amino acids (GC)	< 0.2%								
Enantiomer content (chiral chromatography)	≤ 0.1%								
Assay (elemental analysis)	99.9% (Nth 13.72%, Nfd 13.70%)								

Latest update: June 28, 2019

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