

## Analytical Data Sheet

Lot number **1069234**  
not for drug use

Catalog number **E-1395.0250**  
Product number **4030334.0250**  
Product **H- Asp- OH**  
Molecular formula **C<sub>4</sub>H<sub>7</sub>NO<sub>4</sub>**  
Relative molecular mass **133.10**

Tests	Results								
Appearance	white crystalline powder								
Appearance of solution	clear, colorless solution (50 mg/ml in 1 N HCl)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 36.1%</td> <td>C = 36.0%</td> </tr> <tr> <td>H = 5.3%</td> <td>H = 5.2%</td> </tr> <tr> <td>N = 10.5%</td> <td>N = 10.6%</td> </tr> </tbody> </table>	Theory	Found	C = 36.1%	C = 36.0%	H = 5.3%	H = 5.2%	N = 10.5%	N = 10.6%
Theory	Found								
C = 36.1%	C = 36.0%								
H = 5.3%	H = 5.2%								
N = 10.5%	N = 10.6%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +24.5^\circ$ (5 % in 1 N HCl)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
Enantiomer content (GC)	< 0.1% D-Enantiomer								
Other amino acids (GC)	< 0.3% alanine < 0.3% any other								
Assay (elemental analysis)	99.8% (Nth 10.52%, Nfd 10.50%)								

Latest update: January 02, 2017

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