

Analytical Data Sheet

Lot number **1069184**
not for drug use

Catalog number **G-2640.0001**
Product number **4007825.0001**
Product **H- Lys- Asp- OH**
Molecular formula $C_{10}H_{19}N_3O_5$
Relative molecular mass 261.28

Tests	Results								
Appearance	white powder with clumps								
Appearance of solution	clear, colorless solution (50 mg/ml in AcOH 80 %)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 40.40 %</td><td>C = 40.06 %</td></tr><tr><td>H = 7.80 %</td><td>H = 7.64 %</td></tr><tr><td>N = 14.13 %</td><td>N = 14.15 %</td></tr></tbody></table> calc. as x 2 H ₂ O (12.12 %)	Theory	Found	C = 40.40 %	C = 40.06 %	H = 7.80 %	H = 7.64 %	N = 14.13 %	N = 14.15 %
Theory	Found								
C = 40.40 %	C = 40.06 %								
H = 7.80 %	H = 7.64 %								
N = 14.13 %	N = 14.15 %								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Water content (KF volumetric)	12.5%								

Latest update: December 22, 2016

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