

Analytical Data Sheet

Lot number **1000014593**
not for drug use

Retest date September 2010
Catalog number **G-1570.0250**
Product number **4009123.0250**
Product **H- Asp- Gln- OH**
Molecular formula $C_9H_{15}N_3O_6$
Relative molecular mass 261.24

Tests	Results								
Appearance	white powder								
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 = 40.90 %</td><td>C = 40.60 %</td></tr><tr><td>H = 5.85 %</td><td>H = 5.74 %</td></tr><tr><td>N = 15.90 %</td><td>N = 15.93 %</td></tr></tbody></table> calc. as 0.17 H ₂ O (1.16 %)	Theory	Found	C = 40.90 %	C = 40.60 %	H = 5.85 %	H = 5.74 %	N = 15.90 %	N = 15.93 %
Theory	Found								
C = 40.90 %	C = 40.60 %								
H = 5.85 %	H = 5.74 %								
N = 15.90 %	N = 15.93 %								
Melting point	192 °C								
Specific optical rotation	$[\alpha]_D^{24} = +11.9^\circ$ (1 % in H ₂ O)								
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 coulometric)	1.1%								

Latest update: April 08, 2019

Analytical Data Sheet
Lot number **1000014593**