

Analytical Data Sheet

Lot number **1000029230**
not for drug use

Catalog number **G-1580.0250**
Product number **4001395.0250**
Product **H- Asp- Gly- OH**
Molecular formula $C_6H_{10}N_2O_5$
Relative molecular mass 190.16

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (25 mg/mL in water)
Identification (ESI-MS)	m = 190.2u (average mass)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +30.1^\circ$ (1 % 1N HCl)
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, chlorine-tolidine
Assay (elemental analysis)	90.5% (Nth 14.73 %, Nfd 13.33 %)
Water content (KF volumetric)	9.4%

Latest update: February 26, 2020

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