

Analytical Data Sheet

Lot number

1028552

not for drug use

Catalog Number	G-4590.0100
Product number	4028598.0100
Product	Ac- Asp(Glu- OH) - OH
Molecular formula	C ₁₁ H ₁₆ N ₂ O ₈
Relative molecular mass	304.26

Tests	Results
Appearance	white lyophilisate
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (ESI-MS)	m = 304.3u (average mass)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 98%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	95.9% (Cth 43.42%, Cfd 41.63%)
Water content (KF volumetric)	3.7%
General comment	Hygroscopic product
Latest update: January 12, 2010	