

Analytical Data Sheet

Lot number **1070379**
not for drug use

Catalog number **K-1310.0025**
Product number **4001598.0025**
Product **H- Gly- Asp- Asp- Asp- Asp- Lys- βNA ammonium salt**
Molecular formula **C₃₄H₄₄N₈O₁₄**
Relative molecular mass **788.77**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (ESI-MS)	m = 788.8u (average mass)
Identification (TLC)	complies with authentic material
Purity (HPLC)	98.1% (TFA) 97.5% (NaClO ₄)
Purity (TLC)	> 98%
Related impurities (TLC)	< 0.1% βNA
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)	79.2% (Nth 14.21%, Nfd 11.26%) corrected for ammonium content
Water content (KF volumetric)	5.3%
Ammonium content (IC)	5.0%

Latest update: February 27, 2017

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