

Analytical Data Sheet

Lot number **1000043478**
not for drug use

Product H-Lys-Glu-OH

Product number **4000314.0001**

Molecular formula $C_{11}H_{21}N_3O_5$

Relative molecular mass 275.31

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in acetic acid 80%)
Identification (elemental analysis)	C-Value 44.2% H-Value 8.1% N-Value 14.0% calc. x 1.1 H ₂ O (6.8%)
Identification (TLC)	complies with authentic material
Purity (TLC)	>99%
TLC conditions	isopropanol/ammonia conc. 1/1 n-butanol/aceitc acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	92.6% (HClO ₄)
Water content (KF volumetric)	6.8%

Latest update: January 25, 2021

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