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Certificate of Analysis

Catalogue Number 08873
Lot Number 000127-1033780
Product **N-L-Lysyl-L-glutamic acid**

Lys-Glu-OH

CAS Number 45234-02-4
Molecular Formula C₁₁H₂₁N₃O₅

Molecular Weight 275.3

Appearance White powder
Solubility Clear colorless solution (50 mg/mL in Acetic acid 80%)
Elemental Analysis (Found) C = 44.20%; H = 8.1%; N = 14.0%
Calcd. X 1.1 Water (6.8%)
Water Content (Karl Fisher) 6.8%
TLC System Isopropanol/Ammonia conc. (1:1)
n-Butanol/Acetic acid/Water (4/2/2)
Isopropanol/Ammonia conc. (1:2)
Plate: Silicagel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine
Assay by titration 92.6% (HClO₄)
Purity by TLC > 99%
Storage Store at 0-8 °C
Remarks See material safety data sheet for additional information
For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager