

Analytical Data Sheet

Lot number **1073306**
not for drug use

Catalog number **E-1610.0025**
Product number **4000211.0025**
Product **H- Lys(Boc) - OH**
Molecular formula $C_{11}H_{22}N_2O_4$
Relative molecular mass 246.31

Tests	Results
Appearance	off-white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 80% acetic acid)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Lys-OH
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.1% D-enantiomer
Assay (elemental analysis)	96.6% (Nth 11.47%, Nfd 11.08%)
Water content (KF volumetric)	1.4%

Latest update: September 11, 2017

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