

Analytical Data Sheet

Lot number **1075218**
not for drug use

Catalog number **A-1920.0025**
Product number **4000547.0025**
Product **Boc- Lys- OH**
Molecular formula $C_{11}H_{22}N_2O_4$
Relative molecular mass 246.31

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 80% AcOH)
Identification (ESI-MS)	246.3u(average mass)
Identification (TLC)	reference complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	0.05 % H-Lys-OH < 0.2 % each single unspecified
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Other amino acids (GC)	< 0.20%
Enantiomer content (chiral chromatography)	< 0.10% D-enantiomer
Assay (titration)	100.1% (TBAH)
Water content (KF volumetric)	0.4%

Latest update: January 23, 2018

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