

Analytical Data Sheet

Lot number **1000004626**
not for drug use

Catalog number **G-2685.0001**
Product number **4000141.0001**
Product **H- Lys- Phe- OH · HCl**
Molecular formula **C₁₅H₂₃N₃O₃ · HCl**
Relative molecular mass **329.83**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in water)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +35.3^\circ$ (1 % in water)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 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)	94.2% (Nth 12.74 %, Nfd 12.00 %)
Water content (KF volumetric)	0.8%
Chloride content (titration)	10.4%

Latest update: August 13, 2018

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