

## Analytical Data Sheet

Lot number **1000001375**  
not for drug use

Catalog number **C-3600.0001**  
Product number **4025068.0001**  
Product **Z- Lys- NH<sub>2</sub> · HCl**  
Molecular formula **C<sub>14</sub>H<sub>21</sub>N<sub>3</sub>O<sub>3</sub> · HCl**  
Relative molecular mass **315.80**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (TLC)	complies with authentic material
Melting point	187 °C
Specific optical rotation	$[\alpha]_D^{24} = +7.2^\circ$ (1 % in dimethylformamide)
Purity (TLC)	> 99%
TLC conditions	ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/30/9/16.5 n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Water content (KF volumetric)	0.5%
Chloride content (titration)	11.2%

Latest update: June 19, 2018

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