

# Analytical Data Sheet

Lot number

**1046716**

not for drug use

<b>Catalog Number</b>	C-2205.0025
<b>Product number</b>	4010002.0025
<b>Product</b>	Z- D- Lys- OH
<b>Molecular formula</b>	C <sub>14</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub>
<b>Relative molecular mass</b>	280.32

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in AcOH 80 %)
<b>Identification (TLC)</b>	complies with authentic material
<b>Chloride precipitation test</b>	negative
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = + 13.5^\circ$ (2 % 0.2 N HCl)
<b>Purity (TLC)</b>	> 99%
<b>TLC conditions</b>	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
<b>Assay (elemental analysis)</b>	99.8 % (Nth 9.99 %, Nfd 9.97 %)
Latest update: February 06, 2013	

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