

## Analytical Data Sheet

Lot number **1000028339**  
not for drug use

Catalog number **F-2970.0250**  
Product number **4017146.0250**  
Product **H- trans- 4, 5- Dehydro- DL- Lys- OH · 2 HCl**  
Molecular formula **C<sub>6</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub> · 2 HCl**  
Relative molecular mass **217.09**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (ESI-MS)	m = 144.1u(monoisotopic mass)
Identification (TLC)	Rf value in agreement with authentic material
Purity (TLC)	> 99%
TLC conditions	isopropanol/ammonia conc. 1/1 n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	100.1%(Nth 12.90%, Nfd 12.91%)
Water content (KF volumetric)	0.3%
Chloride content (titration)	32.3%

Latest update: February 11, 2020

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