

## Analytical Data Sheet

Lot number **1065864**  
not for drug use

Catalog number **F-2260.0250**  
Product number **4008187.0250**  
Product **N- Me- D- His- OH · HCl**  
Molecular formula  $C_7H_{11}N_3O_2 \cdot HCl$   
Relative molecular mass 205.64

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	$[\alpha]_D^{24} = -30.5^\circ$ (1% in 5N HCl)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine, Pauly
Assay (elemental analysis)	99.0% (Nth 20.43%, Nfd 20.23%)
Water content (KF volumetric)	1.4%
Chloride content (titration)	16.5%

Latest update: May 17, 2016

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