

Analytical Data Sheet

Lot number

1015426

not for drug use

Catalog Number	F-2260.1000
Product number	4008187.1000
Product	N- Me- D- His- OH · HCl
Molecular formula	C ₇ H ₁₁ N ₃ O ₂ · 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 ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ 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: October 30, 2008	Analytical Data Sheet Lot number 1015426