

Analytical Data Sheet

Lot number **1063855**
not for drug use

Catalog number **E-2015.0005**
Product number **4003763.0005**
Product **H- His- NH₂ · 2 HCl**
Molecular formula **C₆H₁₀N₄O · 2 HCl**
Relative molecular mass **227.09**

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	$[\alpha]_D^{24} = +22.2^\circ$ (1% in water)
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
Assay (elemental analysis)	68.3% (Nth 36.34%, Nfd 24.83%)
Chloride content (titration)	31.3%

Latest update: January 22, 2016

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