

## Analytical Data Sheet

Lot number **1000026880**  
not for drug use

Catalog number **E-2010.0250**  
Product number **4030670.0250**  
Product **H- His- OH**  
Molecular formula **C<sub>6</sub>H<sub>9</sub>N<sub>3</sub>O<sub>2</sub>**  
Relative molecular mass **155.16**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in 1 N HCl)
Identification (ESI-MS)	m = 155.2u (average mass)
Identification (TLC)	Rf value in agreement with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +12.0^\circ$
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	0.1% D-enantiomer
Other amino acids (GC)	< 0.2%
Assay (elemental analysis)	99.8% (Nth 27.08%, Nfd 27.03%)
Water content (KF volumetric)	< 0.1%

Latest update: January 10, 2020

**Analytical Data Sheet**  
Lot number **1000026880**