

Analytical Data Sheet

Lot number

1042456

not for drug use

Catalog Number	L-1785.1000
Product number	4018275.1000
Product	H- His- pNA
Molecular formula	$C_{12}H_{13}N_5O_3$
Relative molecular mass	275.27

Tests	Results
Appearance	slightly yellow powder
Appearance of solution	clear, slightly yellow solution (25 mg/mL in 80% acetic acid)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% pNa
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.6% (Nth 25.44%, Nfd25.34%)
Water content (KF volumetric)	0.6%
Latest update: April 30, 2012	

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