

Analytical Data Sheet

Lot number **1000024498**
not for drug use

Catalog number **G-2350.0250**
Product number **4001146.0250**
Product **H- His- Trp- OH**
Molecular formula **C₁₇H₁₉N₅O₃**
Relative molecular mass **341.37**

Tests	Results								
Appearance	slightly pink powder								
Appearance of solution	clear, slightly pink solution (50 mg/mL in water)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 52.50 %</td><td>C = 52.14 %</td></tr><tr><td>H = 5.77 %</td><td>H = 5.86 %</td></tr><tr><td>N = 17.37 %</td><td>N = 17.34 %</td></tr></tbody></table>	Theory	Found	C = 52.50 %	C = 52.14 %	H = 5.77 %	H = 5.86 %	N = 17.37 %	N = 17.34 %
Theory	Found								
C = 52.50 %	C = 52.14 %								
H = 5.77 %	H = 5.86 %								
N = 17.37 %	N = 17.34 %								
Identification (TLC)	complies with authentic material								
Purity (TLC)	> 98%								
TLC conditions	methanol/chloroform/ammonia 17% 2/2/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	84.0% (Nth 20.52%, Nfd 17.24%)								
Water content (KF volumetric)	2.8%								

Latest update: November 08, 2019

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