

Analytical Data Sheet

Lot number **1000008144**
not for drug use

Catalog number **H-4340.0250**
Product number **4002626.0250**
Product **H- Met- Gly- Met- OH**
Molecular formula $C_{12}H_{23}N_3O_4S_2$
Relative molecular mass 337.46

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in acetic acid 10%)
Identification (ESI-MS)	m = 337.5u (average mass)
Identification (elemental analysis)	Theory Found C = 42.7% C = 42.6% H = 6.9% H = 6.9% N = 12.5% N = 12.3%
Identification (TLC)	complies with authentic material
Purity (TLC)	> 98%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	98.9% (Nth 12.45%, Nfd 12.32%)
Water content (KF volumetric)	0.6%

Latest update: November 13, 2018

Analytical Data Sheet
Lot number **1000008144**