

Analytical Data Sheet

Lot number **1000020446**
not for drug use

Catalog number **H-4315.0250**
Product number **4001423.0250**
Product **H- Met- Ala- Ser- OH**
Molecular formula $C_{11}H_{21}N_3O_5S$
Relative molecular mass 307.37

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in H ₂ O)
Identification (TLC)	conforms with authentic material
Melting point	200 °C
Purity (TLC)	> 97%
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)	91.8% (Nth 13.67 %, Nfd 12.55 %)
Water content (KF volumetric)	0.7% (drifting titration)
Residual organic solvents (GC)	4.6% MeOH

Latest update: August 16, 2019

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