

Analytical Data Sheet

Lot number

1029846

not for drug use

Catalog Number	G-3350.1000
Product number	4009571.1000
Product	H- Trp- Met- OH
Molecular formula	C ₁₆ H ₂₁ N ₃ O ₃ S
Relative molecular mass	335.43

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in AcOH 80 %)
Identification (TLC)	conforms 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 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	96.7 % (Nth 12.53 %, Nfd 12.12 %)
Water content (KF coulometric)	5.6 %
Residual organic solvents (GC)	< 0.1% ethanol < 0.1% acetone
Latest update: March 18, 2010	Analytical Data Sheet Lot number 1029846