

Analytical Data Sheet

Lot number	1000042180 not for drug use
Product	(Ac-Cys-OH) ₂ (Disulfide bond)
Product number	4017817.0005
Molecular formula	C ₁₀ H ₁₆ N ₂ O ₆ S ₂
Relative molecular mass	324.38

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in acetic acid 80%)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	0.34% D-enantiomer
Assay (elemental analysis)	95.1% (Nth 8.64%, Nfd 8.22%)
Assay (titration)	103.5% (TBAH)
Water content (KF volumetric)	0.7%
Acetic acid content (IC)	0.90%

Latest update: December 02, 2020

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