

Analytical Data Sheet

Lot number

1015861

not for drug use

Catalog Number	F-1485.0250
Product number	4005653.0250
Product	DL- Cycloserine
Molecular formula	C ₃ H ₆ N ₂ O ₂
Relative molecular mass	102.09

Tests	Results
Appearance	slightly yellowish lyophilisate
Appearance of solution	clear, colorless solution (25 mg/ml in H ₂ O)
Identification (ESI-MS)	m = 102.1 u (average mass)
Purity (TLC)	> 95%
TLC conditions	isopropanol/ammonia conc. 1/1 n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	95.0328% (Nth 27.44 %, Nfd 26.08 %)
Water content (KF volumetric)	4.6%
Latest update: October 24, 2008	

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