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Certificate of Analysis

Catalogue Number	06284
Product	L-Cycloserine
Lot Number	000127-1047359 L-4-Amino-3-isoxazolidinone (S)-4-Amino-3-isoxazolidinone
CAS Number	339-72-0
Molecular Formula	C ₃ H ₆ N ₂ O ₂
Molecular Weight	102.1
Appearance	White powder
Appearance of Solution	Clear, colorless solution (25 mg/mL in water)
Water Content (Karl Fisher)	0.3%
TLC System	2-Butanol/Pyridine/Water (7:7:6) Isopropanol/Ammonia conc. (1:1) Methanol/Chloroform/Ammonia 17% (2:2:1) Plate: Silica gel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = -108.1° (C=1 in H ₂ O)
Assay	98.0% (Nth 27.44%, Nfd 26.89%)
Purity by HPLC	98.9%
Purity by TLC	> 95%
Storage	Store at 0-8 °C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager