



Catalog Number: VWRB42307-1KG; VWRB42307-5KG; VWRB42307-25KG
Catalog description: L-LYSINE ANHYDROUS
Grade: Bioreagent
Formula: C₆H₁₄N₂O₂
Formula Weight: 146.19
CAS Number: 56-87-1

Characteristics	Specifications
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Appearance.....	free flowing, white to off-white crystalline powder
Assay (on dried basis).....	98.5% to 102.0%
Identification (by IR)	conforms to structure
Moisture (by KFT)	NMT 2.0%
Residue On Ignition.....	NMT 0.1%
Solubility (10% solution in H ₂ O)	clear, complete, colorless to yellow
Specific Rotation (C=8g/100mL 6N HCl, dried basis @ 25°C).....	+25.5° to +26.7°
Heavy Metals (as Pb).....	NMT 15 ppm
Iron (Fe)	NMT 30 ppm
Sulfate (SO ₄)	NMT 300 ppm
Bioburden.....	NMT 100 CFU/g
Cytotoxicity.....	passes test
Endotoxin (1% solution)	NMT 0.1 EU/mg
DNase	none detected
RNase	none detected
Protease.....	none detected

Additional Information

Country of Origin..... USA
 Material is of non-animal, non-human origin
 Storage Conditions.....2°C to 8°C