

Product Specification

Product Name: L-Lysine
(2S)-2,6-diaminohexanoic acid

Item Nr.: 9084 MW: 146.19 g/mol C₆H₁₄N₂O₂
CAS Nr.: 56-87-1 E.C.Nr.: EINECS: 200-294-2

Parameter	Method	Specification	Unit
Appearance	visual	white to yellowish - cream to beige powder	
Solubility	10% in H ₂ O	soluble	
Clarity of solution	Nephelometry	0	NTU
Coloration of sol.	Gardner	5-6	
Assay	Titration	> 98.0	%
Water	KF	<5.0	%
pH	10% in H ₂ O	9.0 - 10.5	
Optical rotation	[α] _{20D} 8% in 6N HCl	+25.0 - +27.0	°
Other amino acids	TLC, detected with ninhydrin; per by-product	not detected	
Heavy metals		≤ 10	ppm
Iron (Fe)		≤ 10	ppm
Chlorides		≤ 0.1	%
Arsenic (As)		≤ 1	ppm
Sulfated ash		≤ 0.5	ppm

Storage: Keep well closed at room temperature in a dark and dry place.

For professional use only. Not intended for pharmaceutical use. We do not warrant suitability for any particular application. Consult Safety Data Sheet.

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