

Product Specification

Product Name: L-alpha Alanine
Ala2-Aminopropanoic acid

Item Nr.: 1627 MW: 89.09 g/mol C₃H₇NO₂
CAS Nr.: 56-41-7 E.C.Nr.: EINECS: 200-273-8

Parameter	Method	Specification	Unit
Appearance	visual	white or almost white crystalline powder	
Solubility	5% in H ₂ O	soluble	
Clarity of solution	Nephelometry	0	NTU
Coloration of sol.	Gardner	1	
Assay	perchloric acid titration	98.5 - 101.0	%
Loss on drying		<0.20	%
pH	5% in H ₂ O	5.5-7.0	
Optical rotation	[α] _{20D}	+13.5 - +15.5	°
Heavy metals (as Pb)		< 15	ppm
Iron (Fe)		< 30	ppm
Chlorides		<500	ppm
Sulfated ash		<0.3	%
Sulfates (SO ₄)		< 300	ppm

Storage: Keep well closed at room temperature in a dark and dry place. Avoid contact with metal.
Long storage at + 4 °C.

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

Version/Latest update: 03/21.11.2024