

# Specification

## Technical Data Sheet

<b>Product Name</b>	L-Alanine
<b>Product No</b>	22302418
<b>CAS Number</b>	56-41-7
<b>Storage Temperature</b>	Ambient
<b>Molecular Weight</b>	89.09
	<b>Specification</b>
<b>Appearance</b>	White crystalline powder
<b>Heavy metals</b>	≤ 0.0015%
<b>Identification</b>	Conforms to reference
<b>Loss on Drying</b>	≤ 0.2%
<b>pH</b>	5.5 - 7.0
<b>Specific rotation</b>	+13.7 to +15.1
<b>Assay</b>	98.5 - 101.5%

## Specification

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<b>Chloride (Cl)</b>	$\leq 0.05\%$
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<b>Iron (Fe)</b>	$\leq 0.003\%$
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<b>Level of persistent organic pollutants</b>	No pollutants
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<b>Particle Size</b>	200 $\mu\text{m}$
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<b>Residue on Ignition</b>	$\leq 0.15\%$
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<b>Specification</b>	Conforms to USP specifications
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<b>Sulphate as SO<sub>4</sub></b>	$\leq 0.03\%$
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<b>Manufacture date</b>	DD/MM/YYYY
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