

# Specification

## Technical Data Sheet

<b>Product Name</b>	L-Serine
<b>Product No</b>	24133813
<b>CAS Number</b>	56-45-1
<b>Storage Temperature</b>	Ambient
<b>Molecular Weight</b>	105.09

### Specification

<b>Appearance</b>	White crystals or crystalline powder
<b>Molecular Weight</b>	105
<b>Arsenic</b>	Max. 1ppm
<b>Grade</b>	USP Grade
<b>Loss on Drying</b>	Max. 0.20%
<b>pH</b>	5.2 - 6.2
<b>Ammonium</b>	Max. 0.02%

## Specification

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<b>Assay</b>	99.0 - 101.0 %
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<b>Chloride (Cl)</b>	Max. 0.020%
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<b>Heavy Metals (Pb)</b>	Max. 10ppm
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<b>Iron</b>	Max. 10ppm
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<b>Residue on Ignition</b>	Max. 0.10%
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<b>Specific optical rotation</b>	+15.2°
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<b>Sulphate</b>	Max. 0.020%
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