

# Specification

## Technical Data Sheet

<b>Product Name</b>	L-Ascorbic acid (Vitamin C)
<b>Product No</b>	35196085
<b>CAS Number</b>	50-81-7
<b>Storage Temperature</b>	Ambient
<b>Molecular Weight</b>	176.12
	<b>Specification</b>
<b>Appearance</b>	White or almost white, crystalline powder
<b>Assay/Purity</b>	99% - 100.5%
<b>Density</b>	BP2010 conforms
<b>Loss on Drying</b>	<0.5%
<b>pH</b>	2.1 - 2.6
<b>Cadmium (Cd)</b>	≤1ppm
<b>Clarity of Solution</b>	Clear

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<b>Colour of Solution</b>	≤ BY7
<b>For research use only, not for human use</b>	For research use only, not for human use
<b>Identity</b>	Conforms
<b>Iron (Fe)</b>	≤2ppm
<b>Mercury</b>	≤0.1ppm
<b>Mesh</b>	<100
<b>Organic Volatile Impurities</b>	Conforms
<b>Oxalic acid</b>	≤0.3%
<b>Residual Solvents</b>	Conforms
<b>Specific optical rotation</b>	20.5 - 21.5°
<b>Sulphated Ash</b>	≤0.1 %
<b>Arsenic (As)</b>	≤ 3ppm
<b>Copper (Cu)</b>	≤5.0ppm
<b>Heavy metals(as Pb)</b>	10ppm max
<b>Lead (Pb):</b>	≤ 2ppm

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