



Molekula Limited  
Lingfield Way  
Darlington  
County Durham  
DL1 4XX  
United Kingdom  
+44 (0) 3302 000333  
info@molekula.com

# 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>Density</b>	BP2010 conforms
<b>Assay/Purity</b>	99% - 100.5%
<b>Arsenic</b>	3ppm max
<b>Lead</b>	2ppm max
<b>pH</b>	2.1-2.6
<b>Loss on Drying</b>	<0.5%
<b>Sulphated Ash</b>	0.1 %max
<b>Iron</b>	2ppm max
<b>Copper</b>	5.0ppm max
<b>Colour of Solution</b>	BY7 max
<b>Specific optical rotation</b>	20.5 - 21.5 @20 DegC
<b>Mercury</b>	0.1ppm max
<b>Organic Volatile Impurities</b>	Conforms
<b>Mesh</b>	<100
<b>Oxalic acid</b>	0.3%max
<b>Residual Solvents</b>	Conforms
<b>Clarity of Solution</b>	Clear
<b>Appearance</b>	White or almost white, crystalline powder
<b>Cadmium (Cd)</b>	1ppm max
<b>Heavy metals(as Pb)</b>	10ppm max
<b>Identity</b>	Conforms