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# Specification

## Technical Data Sheet

<b>Product Name</b>	N-Acetyl-L-carnitine hydrochloride
<b>Product No</b>	90028555
<b>CAS Number</b>	5080-50-2
<b>Storage Temperature</b>	2 to 8 °C
<b>Molecular Weight</b>	239.7
	<b>Specification</b>
<b>Melting Point</b>	187 - 189°
<b>Specific rotation</b>	-27 to -29
<b>Heavy metals</b>	10ppm max
<b>IR</b>	Conforms to structure
<b>E.Coli</b>	Negative
<b>Salmonella</b>	Negative
<b>pH</b>	2.3 - 2.6
<b>Loss on Drying</b>	0.5% max
<b>Assay</b>	98.0% - 101%
<b>Residue on Ignition</b>	0.5% max
<b>Bulk density</b>	0.3 - 0.7g/ml
<b>Appearance of Solution</b>	Clear, colourless, and complete.
<b>Tapped Density</b>	0.5 - 0.9g/ml
<b>Residual Solvents</b>	0.1% max
<b>Yeast &amp; Mold</b>	100Cfu/g max
<b>Appearance</b>	White crystalline powder
<b>Particle size(Mesh)</b>	Through 20mesh
<b>Cadmium (Cd)</b>	1ppm max
<b>Lead (Pb)</b>	3ppm max
<b>Mercury (Hg)</b>	0.1ppm max
<b>Arsenic (As)</b>	1ppm max
<b>TPC</b>	1000Cfu/g max