

# Specification

## Technical Data Sheet

<b>Product Name</b>	Ampicillin trihydrate
<b>Product No</b>	14575910
<b>CAS Number</b>	7177-48-2
<b>Storage Temperature</b>	2 to 8 °C
<b>Molecular Weight</b>	403.45
	<b>Specification</b>
<b>Appearance</b>	White/ off-white crystalline powder
<b>Heavy metals</b>	≤ 20ppm
<b>Identification</b>	Conforms to reference
<b>pH</b>	3.5 - 5.5
<b>Specific rotation</b>	+280 to +305°
<b>Water</b>	≤ 15.0%
<b>Assay</b>	96.0 - 102.0%

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<b>N,N-dimethylaniline</b>	$\leq 20\text{ppm}$
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<b>Residue on Ignition</b>	$\leq 0.5\%$
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<b>Total Impurities</b>	$\leq 3.0\%$
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<b>Max Single Impurity</b>	$\leq 1.0\%$
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