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# Specification

## Technical Data Sheet

<b>Product Name</b>	D-(+)-Xylose
<b>Product No</b>	12518844
<b>CAS Number</b>	58-86-6
<b>Storage Temperature</b>	Ambient
<b>Molecular Weight</b>	150.13
	<b>Specification</b>
<b>Melting Point</b>	147-151 Deg C
<b>Heavy metals</b>	0.0005% max
<b>Arsenic</b>	0.00005% max
<b>Loss on Drying</b>	0.30% max
<b>Solubility</b>	Freely soluble in water, soluble in hot ethanol (95%)
<b>Assay</b>	98.5% min
<b>Sulphated Ash</b>	0.05% max
<b>Sulphate</b>	0.005% max
<b>Appearance of Solution</b>	Clear and colourless
<b>Specific optical rotation</b>	18.5-19.5 &deg;
<b>Chloride</b>	0.005% max
<b>Appearance</b>	White crystalline powder or colourless needles
<b>Identification</b>	IR: Conforms to the xylose CRS spectrum
<b>Acidity (0.1mol/LNaOH), ml</b>	0.2ml max
<b>ph in aqueous solution</b>	5.0-7.0