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# Specification

## Technical Data Sheet

<b>Product Name</b>	MES Buffer grade (2-Morpholinoethanesulfonic acid)
<b>Product No</b>	18031947
<b>CAS Number</b>	4432-31-9
<b>Storage Temperature</b>	Ambient
<b>Molecular Weight</b>	195.24
	<b>Specification</b>
<b>Heavy metals</b>	<5ppm
<b>pH</b>	2.5 - 4.1
<b>Water Content</b>	<1%
<b>Residue on Ignition</b>	<0.1%
<b>Appearance</b>	White crystalline powder
<b>A280, 0.5M water</b>	<0.020
<b>A260, 0.5 M water</b>	<0.020
<b>Assay (Titration) on dried basis</b>	>99%
<b>Solubility 0.5m Water</b>	Clear, colourless solution