

# 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

### Specification

<b>Appearance</b>	White crystalline powder
<b>Heavy metals</b>	≤ 5ppm
<b>Identification</b>	Conforms to reference
<b>pH</b>	2.5 - 4.1
<b>Residue on Ignition</b>	≤ 0.1%
<b>Solubility 0.5m Water</b>	Clear, colourless solution
<b>Water Content</b>	≤ 1%

## Specification

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**A260, 0.5 M water**  $\leq 0.04$

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**A280, 0.5M water**  $\leq 0.02$

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**Assay (Titration) on dried basis**  $\geq 99.0\%$

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