

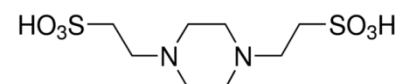


# Product Specification

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## PIPERAZINE-1,4-BIS (2-ETHANESULPHONIC ACID)

<b>PRODUCT CODE</b>	<b>191985</b>
<b>SYNONYMS</b>	<b>(PIPES BUFFER)</b>
<b>C.I. NO.</b>	--
<b>CASR NO.</b>	<b>(5625-37-6)</b>
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>C<sub>8</sub>H<sub>18</sub>N<sub>2</sub>O<sub>6</sub>S<sub>2</sub></b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>302.37</b>
<b>PROPERTIES</b>	--



<b>PARAMETER</b>	<b>LIMIT</b>
Description	A white powder.
Minimum Assay (Acidimetric)	98.5%
UV Absorbance 290 nm (20% w/w in 1N NaOH )	≤ 0.1

### MAXIMUM LIMIT OF IMPURITIES

Loss on drying (at 110°)	0.5%
Sulphated Ash	0.5%
Sulphate (SO <sub>4</sub> )	0.01%
Iron (Fe)	0.0005%
Lead (Pb)	0.001%
Biological Buffer Pka at 20°C	6.8

**Note(s): Assay (if applicable) method mentioned.**

### DANGER

**Hazard statements :** May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.

### Precautionary statements

**Prevention :** In case of inadequate ventilation wear respiratory protection. Avoid breathing dust/fume/gas/mist/vapours/spray.

**Response :** If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

**Disposal:** The chemical should be mixed combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.

IMDG Code :--

UN No. :--

IATA :--

**Hazard Pictogram(s) :**



GHS08

Replace Date 1-June-2023