

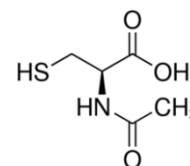


# Product Specification

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## N-ACETYL-L-CYSTEINE

<b>PRODUCT CODE</b>	<b>024001</b>
<b>SYNONYMS</b>	<b>(2-Acetamido-3-mercaptopropionic acid)</b>
<b>C.I. NO.</b>	--
<b>CASR NO.</b>	<b>(616-91-1)</b>
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>C<sub>5</sub>H<sub>9</sub>NO<sub>3</sub>S</b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>163.19</b>
<b>PROPERTIES</b>	--



<b>PARAMETER</b>	<b>LIMIT</b>
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Description	White to yellowish powder or crystalline powder.
Solubility	2% solution in water is clear.
Minimum Assay (Iodometric)	99.00%
Melting point	108°- 110°C
Specific rotation ( $\alpha$ ) $\frac{20^{\circ}}{D}$ (C=2, H <sub>2</sub> O)	+ 5.3 $\pm$ 0.5°

### MAXIMUM LIMIT OF IMPURITIES

Ammonium (NH <sub>4</sub> )	0.01%
Heavy metals (as Pb)	0.001%

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

#### WARNING

**Hazard statements:** May be harmful if swallowed.

**Prevention:** -----

**Response:** IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

**Disposal :** -----

**Hazard pictogram(s) :-----**

IMDG Code :

UN No. :

IATA :

Replace Date 18-Dec.2020