

## L-Cystine

**GRM047**

### Product Identifier

CAS No.	:	56-89-3
EC No.	:	200-296-3
Molecular Formula	:	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub> S <sub>2</sub>
Molecular Weight	:	240.30
HS Code	:	2930 90 40
Storage	:	Below 30°C
Shelf life	:	4 years

### Technical Specification

Appearance	:	White to off-white crystals or powder
Solubility	:	33.3 mg soluble in 1 mL of 1M hydrochloric acid
FTIR	:	Matches with the standard pattern
Specific rotation	:	-230.00° to -215.00° (c = 1% in 1M HCl at 20°C)
Chloride (Cl)	:	<= 0.02%
Heavy metals (as Pb)	:	<= 0.001%
Iron (Fe)	:	<= 0.001%
Sulfate (SO <sub>4</sub> )	:	<= 0.03%
Sulphated ash	:	<= 0.1%
Loss on drying (at 105°C, 1 hr)	:	<= 0.50%
Assay (Iodometry/HPLC, on dry basis)	:	99.00 - 101.00%

### Safety Information

UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	Not available
WGK	:	1