


L-CYSTEINE FOR BIOCHEMISTRY

PRODUCT CODE	R01756
SYNONYMS	--
C.I. NO.	--
CASR NO.	52-90-4
ATOMIC OR MOLECULAR FORMULA	C₃H₇SNO₂
ATOMIC OR MOLECULAR WEIGHT	121.16
PROPERTIES	Soluble in water, ammonium hydroxide, acetic acid. Insoluble in ether, acetone, benzene and carbon tetrachloride.
PARAMETER	LIMIT
Description	Colourless to white crystals or powder or crystalline powder or fused solid.
Solubility	10% Solution in 2N HCl is clear & colourless.
Minimum Assay (Iodometric; ex SH)	98.00%
Specific Rotation (α) $\left(\frac{20}{C} = 2, 5N HCl\right)$	+ 6.5° to +8.0°
MAXIMUM LIMIT OF IMPURITIES	
Sulphated ash	0.1%
Iron (Fe)	0.001%
Lead (Pb)	0.001%
Note(s): Assay (if applicable) method mentioned.	
WARNING Hazard statements: May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation. Precautionary statements Prevention: Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Response: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention. Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.	IMDG Code : UN No. : IATA :
Hazard Pictogram(s) :	
 <p>GHS05 GHS07</p>	

Replace Date 1 April 2023

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