

L-CYSTINE DIHYDROCHLORIDE, SYNTHETIC

BIOBURDEN AND ENDOTOXIN TESTED, GMP

CAS #: 30925-07-6

Formula: $C_6H_{12}N_2O_4S_2 \cdot 2HCl$

F.W.: 313.22 g/mol

LCYS-6250
BIO QUALIFIED GRADE

ANALYSIS		SPECIFICATIONS
Appearance and Color		White to Slightly Yellow Crystalline Powder
Assay, Dried Basis		98.0 – 102.0%
Microbial Content	TAMC	< 50 CFU/g
	TYMC	< 50 CFU/g
Chloride		22.2 – 23.5%
Endotoxin		< 0.02 EU/mg
Heavy Metals (Pb)		< 10 ppm
Identification, IR		Conforms to Reference Standard
Loss on Drying		< = 0.5%
pH (0.1%)		Report
Residue on Ignition		< = 0.1%
Specific Rotation, Free Basis, 20°C		-225.0° to -215.0°
Solubility		Passes Test

Intended for Use in Biopharmaceutical & Biotechnological Applications and Products

L-Cystine Dihydrochloride is a dimer, synthesized under GMP conditions and is suitable for cell culture media used in the commercial manufacturing of therapeutic recombinant proteins, and monoclonal antibodies.

General Product Description

- Appears as a white to slightly yellow crystalline powder
- GMP Manufactured in accordance with the certified management system
- Manufactured in an enzyme free, hormone free and animal free environment
- Contains no known major food allergens (as defined by FDA and WHO)
- The final product and its raw materials are not derived from nor come into contact with animal parts, animal products, and/or animal byproducts or derivatives.
- Is not subject to genetic modification
- Synonyms: (2R)-2-amino-3-[[[(2R)-2-amino-2-carboxyethyl] disulfanyl]propanoic acid; diHCl
- Visit the product page on our website (www.biospectra.us) for additional information, supporting regulatory documents, and CoAs.

Storage and Shipping Conditions

Refer to SDS.

Standard Shelf Life Policy

Each Certificate of Analysis (CoA) will contain a 2-year retest date supported by a 3-year ICH Q1 Stability Study (if one is completed).

Package Sizes

100g, 500g, 1kg, 5kg, 10kg, 25kg, 50kg

Standard Lead Time

2-4 weeks

Country of Origin: India

Blended, tested and packaged in Bangor, PA, USA under cGMP conditions.

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