

L-CYSTINE DIHYDROCHLORIDE, SYNTHETIC

BIOTECH, LBLE, 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%
Bioburden	≤ 100 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 @ 105°C	$\leq 0.5\%$
pH (0.1% solution)	Report
Residue on Ignition	$\leq 0.1\%$
Specific Rotation, Free Basis @ 20°C	-225.0° to -215.0°
Solubility	Passes Test

Country of Origin: India
**Blended, Tested, Packaged in Bangor, PA, USA
under full GMP conditions.**

Intended for Use in Biopharmaceutical & Biotechnological Applications and Products

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

General Product Description

- Appears as an off-white to pale-yellow crystalline powder
- Manufactured under a Quality Managed cGMP System
- Manufactured in an enzyme free, hormone free and animal free environment
- 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/derivatives.
- Is not subject to genetic modification
- Visit the product page on our website (www.biospectra.us) for additional information, supporting regulatory documents, and CofAs.

Storage and Shipping Conditions

Refer to SDS.

Standard Shelf Life Policy

Each Certificate of Analysis (CofA) will contain a 2-year retest/recertification 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

1-2 weeks