

# 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	≤ 0.5%
pH (0.1% solution)	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 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](http://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

### Country of Origin: India

**Blended, Tested, Packaged in Bangor, PA, USA under full GMP conditions.**