BIOBUFFER SOLUTIONS

GMP BIOTECH PRODUCT

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-6350 **BIO QUALIFIED GRADE**

ANALYSIS		SPECIFICATIONS
Appearance and Color		White to Slightly Yellow Crystalline Powder
Assay, Dried Basis		98.0 – 102.0%
Microbial Content	TAMC TYMC	< 50 CFU/g < 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

General Product Overview

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.

Click here to view SDS, CoAs and other supporting regulatory documents on our website.

Industry Application

Suitable for use in biological and biotech chemical process applications from R&D through scale cGMP production.

Key Product Features

- Appears as a white to slightly yellow crystalline powder
- GMP Manufactured in accordance with the QMS
- 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

Storage and Shipping Conditions

Refer to SDS.

Standard Shelf-Life Policy

Unless otherwise noted on the Shelf-Life Statement and CoA, this product has 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