

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

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

This is not considered a controlled document. We are not responsible for any errors or omissions, and the user is responsible for any decisions based on the information herein.