

Technical Information

L-Cystine

(From non-animal source)

Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications

Product Code: TC1070M

Product Information

Product Code	: TC1070M
Product Name	: L-Cystine, Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications
Synonym	: R-(R,R)-3,3'-Dithiobis(2-aminopropanoic acid), Dicysteine, β,β' -dithiodialanine
Molecular Formula	: $C_6H_{12}N_2O_4S_2$
Molecular Weight	: 240.30
CAS No.	: 56-89-3

Technical Specification

Appearance	: Colourless or white to off-white crystals or crystalline powder.
Solubility	: 33.3 mg soluble in 1 mL of dilute hydrochloric acid.
pH of 0.04% solution in water	: 4.0-7.0
Specific rotation (α) ²⁰ _D	: -224.0° to -209.0°
Chloride (Cl)	: \leq 0.02%
Ammonium (NH ₄)	: \leq 0.02%
Sulfate (SO ₄)	: \leq 0.02%
Iron (Fe)	: \leq 0.001%
Heavy metals (as Pb)	: \leq 0.001%
Arsenic (As)	: \leq 0.0001%
Residue on Ignition	: \leq 0.01%
Loss on drying (at 105°C)	: \leq 0.2%
Other amino acids	: Conforms
Minimum assay (Non-Aqueous)	: 98.50%
Cell Culture Test	: Passes test

Risk And Safety Information

WGK	: --
RTECS	: --
Storage Temperature(°C)	: Store below 30°C

Transport Information

Marine Pollutant	: No
ADR/RID	: Not Dangerous Goods
IMDG	: Not Dangerous Goods
IATA	: Not Dangerous Goods

Animal Cell
Culture Tested



Product Specification

cdhfinechemical.com

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
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