

Technical Information

L-Cysteine (From non-animal source) Cell Culture Tested

Product Code:TC1070

Product Information

Product Code	: TC1070
Product Name	: L-Cysteine, Cell Culture Tested
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) _D ²⁰	: -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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