

Certificate of Analysis

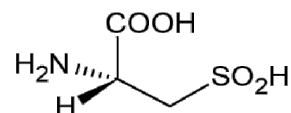


Product Identification

Catalog number HB0380
Compound name L-Cysteinesulfonic acid monohydrate
Chemical name 2-amino-3-sulfino-propanoic acid

Batch number E2232-1-1
Batch molecular formula $C_3H_7NSO_4 \cdot H_2O$
Batch molecular weight 171.17

Chemical Structure



Method

QC requirement

QC Result

HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
IR spectroscopy	IR spectrum consistent with structure	Meets specification
Optical rotation	Specific rotation in 1M HCl measured between +23° and +25°	Meets specification: $[\alpha]_D = -24^\circ$ (c=1, 1M HCl)
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

09/05/2023

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.