

Cysteamine Hydrochloride

Amino-thiol hydrochloride intermediate supplied in three iron-limit grades.

CAS 156-57-0	EC 205-858-1	Transport Not regulated · ADR/IMDG/IATA
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Product Information

Cysteamine hydrochloride combines amine and thiol functionality in a salt form. The supplied material has a common assay minimum and three alternative iron limits. Metal contamination and oxidation can affect thiol chemistry, so handling and compatibility should be considered when selecting a grade. The page groups the standard, low-iron and very-low-iron specifications without assigning new trade model numbers. End-use suitability and applicable restrictions depend on the finished formulation; no medical or therapeutic use is claimed.

Specifications

Parameter	Specification
Appearance	White powder
Assay, all grades	≥99.0 %
pH	3.0–5.0
Iron, standard grade	≤20 ppm
Iron, low-iron grade	≤10 ppm
Iron, very-low-iron grade	≤5 ppm
Sulfate	≤0.5 %
Loss on drying	≤0.5 %

Product Series

Standard iron limit	≥99% assay; iron ≤20 ppm
Low-iron grade	≥99% assay; iron ≤10 ppm
Very-low-iron grade	≥99% assay; iron ≤5 ppm

Typical Properties

Property	Typical Value
Molecular formula (component)	C2H8CINS
Molecular weight (component)	113.60 g/mol

Applications

Personal-care formulation development: Evaluate cysteamine hydrochloride only in permitted personal-care applications.

Sulfur-containing synthesis: Use the amino-thiol salt as an intermediate in controlled sulfur-containing chemistry.

Low-iron feedstock selection: Select among the three documented iron limits according to the sensitivity of the formulation or reaction.

Packaging / Storage

Item	Information
Packaging	25 kg cartons, nitrogen protected.
Storage	Store in a dry, ventilated area, protected from light, moisture and metal-ion contamination. Source shelf life: two years.
Shelf life	Two years under the specified storage conditions.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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