

# Global and United States L- Cysteine Market Research by Company, Type & Application 2013-2025

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## Abstracts

### SUMMARY

Cysteine (abbreviated as Cys or C) is an  $\alpha$ -amino acid with the chemical formula  $\text{HO}_2\text{CCH}(\text{NH}_2)\text{CH}_2\text{SH}$ . It is a semi-essential amino acid, which means that it can be biosynthesized in humans. The thiol side chain in cysteine often participates in enzymatic reactions, serving as a nucleophile. The thiol is susceptible to oxidization to give the disulfide derivative cysteine, which serves an important structural role in many proteins. When used as a food additive, it has the E number E920. The majority of L-cysteine is obtained industrially by hydrolysis of animal materials, such as poultry feathers or hog hair. L-cysteine is produced by the hydrolysis of racemic 2-amino- $\beta$ -thiazoline-4-carboxylic acid using *Pseudomonas thiazolinophilum*.

Market Segment as follows:

#### By Type

Food Grade

Tech Grade

Pharma Grade

#### By Application

Food Industry

Pharmaceutical Industry

Cosmetics Industry

Animal Feed

### By Company

Wacker

Nippon Rika

Ajinomoto

Ningbo Zhenhai Haide Biochem

Wuhan Grand Hoyo

Wuxi Bikang

Donboo Amino Acid

The main contents of the report including:

Section 1:

Product definition, type and application, global and United States market overview;

Section 2:

Global and United States Market competition by company;

Section 3:

Global and United States sales revenue, volume and price by type;

Section 4:

Global and United States sales revenue, volume and price by application;

Section 5:

United States export and import;

Section 6:

Company information, business overview, sales data and product specifications;

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Industry chain and raw materials;  
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