

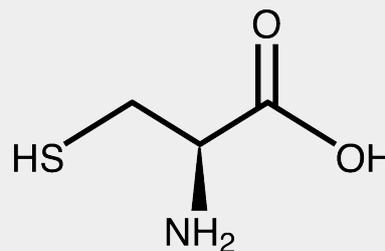
# FERMOPURE<sup>®</sup> Vegan L-Cysteine INFANT FOOD

## Amino Acids

### L-Cysteine Hydrochloride Monohydrate

L-Cysteine is one of the 20 natural amino acids and, besides methionine, the only one which contains sulfur. WACKER produces vegan L-Cysteine from non-animal and non-human raw materials. FERMOPURE<sup>®</sup> Vegan L-Cysteine Infant Food is a white or almost white, crystalline powder or colourless crystals, freely soluble in water and slightly soluble in alcohol.

CAS No. 7048-04-6 | Empirical formula  $C_3H_7NO_2S.HCl.H_2O$  |  
Molecular weight 175,64



## Properties

- No human or animal sources
- Vegan
- Sustainable plant-based raw materials
- Utmost purity and safety
- No allergen labeling required

## Technical data

### Specification

Property	Condition	Value	Method
Aerobic microorganisms	-	max. 500 CFU/g	PH. EUR. (2.6.12)
Aluminium	-	max. 10 ppm	ICP PH. EUR. (2.4.)
Ammonium	-	max. 200 ppm	PH. EUR. (2.4.1/B)
Appearance	-	positive	Visual
Appearance of solution	-	colorless, clear liquid	PH. EUR. (2.2.1 and 2.2.2/II)
Arsenic	-	max. 1 ppm	PH. EUR. (2.4.2/A)
Assay	-	98.5 - 101.0 %	PH. EUR.
Cadmium	-	max. 0.2 ppm	ICP PH. EUR. (2.4.)
Cronobacter sakazakii	-	0 in 10g	PH. EUR. (2.6.13)
Heavy metals	-	max. 10 ppm	PH. EUR. (2.4.8/A)
Identification	-	positive	PH. EUR.
Lead	-	max. 5 ppm	specific method
Loss on drying	-	max. 8.0 - 12.0 %	specific method
Mercury	-	max. 0.1 ppm	ICP PH. EUR. (2.4.)
Residue on ignition	-	max. 0.1 %	PH. EUR. (2.4.14)
Salmonella	-	0 in 25g	PH. EUR. (2.6.13)
Specific rotation [ $\alpha$ ] <sub>20/D</sub>	-	5.7 - 6.8 °	PH. EUR. (2.2.7)
bile-tolerant gram-negative bacteria	-	0 /g	PH. EUR. (2.6.13)

## General Characteristics

Property	Condition	Value	Method
Solubility in water	20 °C	650 g/l	-

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

## Compliance

Full compliance info plus certificates can be downloaded from the product website.

- ✓ Halal
- ✓ Kosher certified

## Application details

FERMOPURE® Vegan L-Cysteine Infant Food is used as a substance for nutritional purposes in processed cereal-based foods and foods for infants and young children, in infant formulae and follow-on formulae, and also as a nutritional substance in foods intended for particular nutritional uses in order to improve the nutritional value

## Packaging and storage

### Packaging

Units of 25 kg

### Storage

Storage and transportation: a temperature of 25°C is recommended for optimal product quality, but 40°C up to 180 days does not affect the quality. FERMOPURE® Vegan L-Cysteine Infant Food has a shelf life of at least 24 months when stored in unbroken original packaging in dry storage areas. The best use before date of each batch is shown on the product label. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

## Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

## QR Code FERMOPURE® Vegan L-Cysteine INFANT FOOD



**For technical, quality or product safety questions, please contact:**

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