

Product Information

Product Data Sheet

STAY-C® 50

Description

STAY-C® 50 is a white to off-white, odourless powder, consisting of a stabilized (phosphorylated) sodium salt of L-ascorbic acid. Esterification of ascorbic acid at position 2 protects vitamin C from destruction by oxidation. The L-ascorbate molar activity of the phosphorylated ester of vitamin C is equivalent to L-ascorbic acid.

Product identification

Product code: 50 0085 8

Chemical name: L-ascorbic acid-2-monophosphate trisodium salt

Synonyms: sodium ascorbyl phosphate; vitamin C phosphate; L-ascorbic acid monophosphate, sodium salt; L-ascorbic acid phosphate, sodium salt

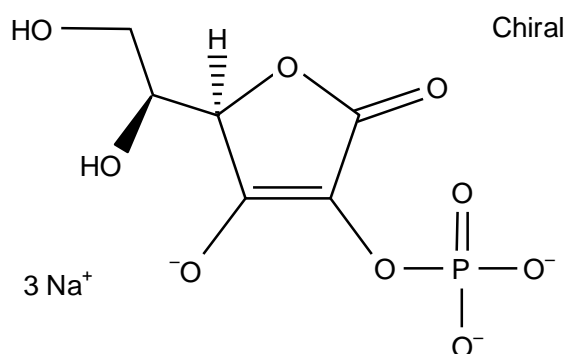
CAS No.: 66170-10-3

ELINCS No.: 425-180-1

INCI name: sodium ascorbyl phosphate

Empirical formula: C₆H₆O₉Na₃P • 2H₂O

Molecular mass: 358.08 g/mol



Specifications

Appearance:	white to off-white powder
Identity:	corresponds
Purity:	min. 95%
Ascorbic acid content:	min. 45%
Solution 10% in water:	clear and almost colourless
Water:	8-11%
pH (3% in water):	9-10
Heavy metals:	max. 10 ppm
Arsenic:	max. 2 ppm

Solubility

STAY-C® 50 is readily soluble in water.

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Stability and storage

STAY-C® 50 is specifically produced for use as a stabilized source of vitamin C in cosmetic products. It is fairly stable to air if protected from humidity and heat. The product may be stored for at least 24 months from the date of manufacture in the unopened original container and at a temperature below 25 °C. The 'best use before' date is printed on the label. Keep container tightly closed.

Uses

For use in skin, hair and oral care cosmetic products and oral pet food applications.

Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene.

Legal notice

The information given in this publication is based on our current knowledge and experience, and may be used at your discretion and risk. It does not relieve you from carrying out your own precautions and tests. We do not assume any liability in connection with your product or its use. You must comply with all applicable laws and regulations, and observe all third party rights.

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Additional information

To find out more about our ingredients, please contact your nearest DSM Nutritional Products office.

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