

ROVIMIX[®] STAY-C[®] 35

Description

ROVIMIX[®] STAY-C[®] 35 is a beige, spray-dried powder consisting of a stabilized (phosphorylated) Na/Ca salt of L-ascorbic acid. Esterification of ascorbic acid at position 2 protects vitamin C from destruction by oxidation. It contains primarily the monophosphate ester of L-ascorbic acid, with very small quantities of diphosphate ester and traces of triphosphate ester. The L-ascorbate molar activity of the phosphorylated esters of vitamin C is equivalent to L-ascorbic acid.

Product identification

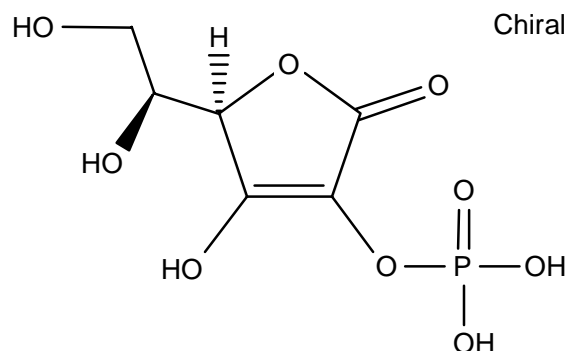
Product code: 04 8304 4

Chemical name: Sodium, calcium ascorbyl-2- phosphate

Synonyms: L-ascorbic acid phosphate; L-ascorbic acid monophosphate; vitamin C phosphate

Empirical formula: C₆H₉O₉P

Molecular mass: 256.11 g/mol



Specifications

Appearance: beige powder

Loss on drying: max. 7%

Total phosphorylated ascorbic acid activity: equivalent to min. 35%

Ascorbic acid activity from monophosphate ester: equivalent to min. 33%

Solubility

ROVIMIX[®] STAY-C[®] 35 is practically insoluble in water.

Product Data Sheet

Stability and storage

ROVIMIX® STAY-C® 35 is specifically produced for use as a stabilized source of vitamin C in feed. It is fairly stable to air if protected from humidity and heat. The product may be stored for at least 18 months from the date of manufacture in the unopened original container and at a temperature below 25 °C. The 'best used before' date is printed on the label. Keep container tightly closed. Once opened, use contents quickly.

Uses

For animal nutrition in premixes and compound feeds where stability may be critical, e.g. in expanded, extruded or aggressively pelleted feeds.

Regulatory status

Generally approved for the intended use.

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.

For full safety information and necessary precautions, please refer to the respective DSM Material Safety Data Sheet.

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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