

**VITAMINA C (ACIDO ASCORBICO) (EUR. PH.)**

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|--------------------------|--------------------------------|---------------------|
| PRODUCT CODE: 1899 | CAS Nº: 50-81-7 | ANALYSIS Nº: 225/25 |
| MANUFACTURER BATCH: | CERTIFICATE ID: 47.487 | |
| SUPPLIER BATCH: X0373105 | MANUFACTURING DATE: 28/02/2025 | |
| METAPH BATCH: 0230725 | EXPIRY DATE: 28/02/2029 | |

| ATTRIBUTES | SHOULD BE | IS |
|---------------------------------------|--|---|
| Appearance | White or almost white, crystalline powder or colourless crystals, becoming discoloured on exposure to air and moisture | White crystalline powder becoming discoloured on exposure to air and moisture (*) |
| Melting point | about 190 °C, with decomposition | 191 °C |
| Identification B | Complies | Complies (*) |
| Identification C | Complies | Complies (*) |
| pH | 2.1 - 2.6 | 2.4 (*) |
| Appearance of solution | Clear and not more intensely coloured than ref. sol. BY7 | Complies |
| Specific optical rotation | +20.5 / +21.5 | +20.9 |
| Impurity E | =< 0.2 % | < 0.2 % |
| Related substances | | |
| Impurity C | =< 0.15 % | < 0.15 % |
| Impurity D | =< 0.15 % | < 0.15 % |
| Unspecified impurities | =< 0.10 % | < 0.10 % |
| Total impurities (other than C and D) | =< 0.2 % | < 0.20 % |
| Copper | =< 5 ppm | < 5 ppm |
| Iron | =< 2 ppm | < 2 ppm |
| Sulfated ash | =< 0.1 % | 0.06 % (*) |
| Assay | 99.0 - 100.5 % | 100.1 % (*) |

COMPLIES WITH

European Pharmacopoeia 11.2

REMARKS

Ascorbic Acid is subjected to the requirements of the ICH Q3D "Elemental Impurities" guideline and the requirements of guides EMA/CHMP/ICH/82260/2006.

(*) Data controlled by Metapharmaceutical Industrial SL.

The product is not of animal origin and no animal product is used in its production, so it is risk-free BSE/TSE.

The product is not derived from GMO. No genetically modified organism is used in its production and no GMO product comes in contact with the product during any stage of production.

STORAGE

Keep the container tightly closed, protected from light, in a dry place and at room temperature.

Analysis date: 07/08/2025

Signature: Albert Sánchez López (QP)

Conclusion: Complies

Manufacturer: 40000435