

PRODUCT DATA SHEET

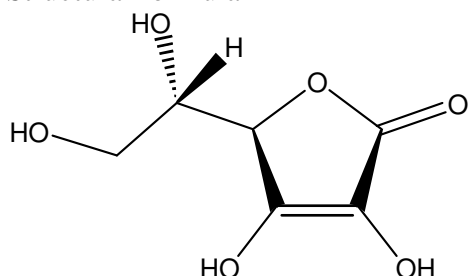
Ascorbic acid EP/USP/FCC /E300

Description

The Ascorbic acid, which produced by Northeast General Pharmaceutical Factory, meets all requirements of the European Pharmacopeia (EP)、United States Pharmacopeia (USP)、Food Chemicals Codex (FCC) and E300. It is certified by ISO9001.

Chemical and Physical Product

Molecular $C_6H_8O_6$
Molecular Weight 176.1
Structural formula



Physical and chemical properties

Form: Solid
Colour: white
pH value:2.1~2.6

Specification (EP7/USP34/FCC7/E300)

Characteristics	White or almost white crystalline powder or colourless crystals
Identification	Positive
Clarity of Solution	Clear
Colour of Solution	≤BY ₇
Melting Point	about 190 °C
Assay	99.0% ~ 100.5%
Acidity (pH)	2.1 ~ 2.6 (5% aqueous solution)
Acidity (pH)	2.4 ~ 2.8 (2% aqueous solution)
Residue on Ignition	≤0.1%
Specific Rotation	+20.5 ° ~ +21.5 °
Heavy Metals	≤0.0010%
Oxalic Acid (Impurity E)	≤0.2%
Copper	≤0.00050%
Iron	≤0.00020%
Lead	≤0.0002%
Arsenic	≤0.0003%



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Mercury	≤0.0001%
Loss on Drying	≤0.4%
Residual Solvents	Methanol≤3000ppm Ethanol≤5000ppm
Related Substances	Impurity C、D: ≤0.15% Unspecified Impurities: ≤0.10% Total Impurities other than C、D: ≤0.2%

Packing and storage

Packing Corrugated carton or cardboard drum net weight 25kg

Store Preserve in a non-metallic containers, protected from light.

This product is conformity with:

European Pharmacopoeia 7、United States Pharmacopeia34、Food Chemicals CodexVII and E300.