

H & A (Canada) Inc.

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PRODUCT DATA

ASCORBIC ACID

USP/BP/FCC/EP

Item #: AS200
CAS No: [50-81-7]

M.Wt: 176.13
M.Fm: C₆H₈O₆

Description:

A white, crystalline powder, freely soluble in water, sparingly soluble in alcohol, insoluble in chloroform and in ether. It gradually darkens on exposure to light, is reasonably stable in air when dry, but rapidly oxidizes in solution in presence of air.

Applications:

Ascorbic acid, popularly known as Vitamin C or L-Ascorbic acid is utilized as an antioxidant, nutrient, and preservative. Commonly used in beverage, fruit products, flour products, dairy products, wine, bear, fish, meat binding, and pickling.

Specifications:

This product meets the specifications of U.S. Pharmacopoeia (USP) 30 and British Pharmacopoeia (BP) 2005.

Identification	.....	Positive Reaction
Melting Point	.....	About 190°C
pH	.....	2.1 - 2.6
Clarity of Solution	.....	Clear
Color of Solution	.....	≤ BY ₇
Heavy Metals	.....	≤ 10ppm
Copper	.....	≤ 5ppm
Lead	.....	≤ 2ppm
Iron	.....	≤ 2ppm
Oxalic Acid	.....	≤ 0.2%
Residue on Ignition (Sulphated Ash)	.....	≤ 0.1%
Specific Optical Rotation	.....	+20.5° - +21.5°
Assay	.....	99.0% - 100.5%
Organic Volatile Impurities	.....	As per standard.

Packaging and Storage:

Preserved in 25 kg cartons. Store in a cool, dry place away from light.

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