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ASCORBIC ACID E300 40-80M WS

NOVEMBER 2022

Synonyms: (5R)-5-((1S)-1,2-dihydroxyethyl)-3,4-dihydroxyfuran-2(5H)-one

Description: A white or almost white crystalline powder or colourless crystals, becoming discoloured on exposure to air and moisture.

CAS NO: 50-81-7

FORMULA: C₆H₈O₆

MW: 176.1

<u>Test</u>	<u>Specification</u>
Identification	Positive
Solubility	Freely soluble in water, slightly in ethanol, insoluble in chloroform.
Clarity of solution	Clear
Colour of solution	≤ BY ₇
Loss on drying (%)	≤ 0.15
Specific Rotation (°)	+20.5 – +21.5
pH, 5% W/V	2.1 – 2.6
pH, 2% W/V	2.4 – 2.8
Residual on ignition (%)	≤ 0.1
Assay (%)	99.0 – 100.5
Impurity E (%)	≤ 0.3
Impurity C (%)	≤ 0.15
Impurity D (%)	≤ 0.15
Unspecified impurities (%)	≤ 0.10
Total impurities, excl. C (%)	≤ 0.2
Heavy Metals (ppm)	≤ 10
Copper (ppm)	≤ 5
Iron (ppm)	≤ 2
Mercury (ppm)	≤ 1
Lead (ppm)	≤ 1
Arsenic (ppm)	≤ 1

Whilst we believe this data to be correct and reliable, we are not responsible for its interpretation and its use, nor should it be construed as a permission to use any product or process in breach of existing patents. This data does not constitute any warranty other than conformity of the product to current specifications published by the sellers or its suppliers. Any relevant legislation governing the use of the product should be observed.

Refer to the appropriate Safety Data Sheet for health, safety and environmental information

Total plate count (cfu/g)	≤ 1000
Yeasts and molds (cfu/g)	≤ 100
Escherichia coli (in 1g)	Absent
Salmonella (in 25g)	Absent
Staphylococcus aureus (in 25g)	Absent
Residual solvents	Meets requirements

Ascorbic Acid meets the requirements of FCC11/USP41/BP2018/E300/EP9

Storage: Keep away from moisture. Contact with iron, copper or nickel salts should be avoided.

Shelf Life: At least 36 Months from date of manufacture when stored in the above conditions.

Revision 04

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