

## Ascorbic Acid ( Vitamin C )

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**Chemical formula:** C<sub>6</sub>H<sub>8</sub>O<sub>6</sub>

**CAS No.:** 50-81-7

**Rel. mol. weight:** 176.13

**EINECS No.:** 200-066-2

**E-No.:** E300

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**Quality standard:** BP2004 / USP28

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### Chemical and physical requirements

#### Quality parameter

#### Guaranteed value

Identification	positive reaction
Melting point	187 - 192 °C
pH	2.1 - 2.6
Clarity of solution	clear
Colour of solution	≤ BY <sub>7</sub>
Copper	max. 5 ppm
Heavy metals	max. 10 ppm
Iron	max. 2 ppm
Mercury	max. 1 ppm
Pb	max. 2 ppm
Arsenic	max. 3 ppm
Zinc	max. 25 ppm
Oxalic acid	max. 0.2 %
Loss on drying	max. 0.4 %
Residue on ignition	max. 0.1 %
Specific rotation	+20.5° - +21.5°
Organic volatile impurities	pass
Assay	99.0 % - 100.5 %

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**Characteristic:** White crystalline powder

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**Packing:** 25 kg Fibre drum

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**Shelf Life:** 2 Years

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