

**EAST CHEMSOURCES LIMITED**  
No.666 Haibin 12th Road, Huangdao, Qingdao,China

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**ASCORBIC ACID 97% GRANULATION**

*Description*

Ascorbic acid 97% granulation white to pale yellow powder with an acidic taste It consists of ascorbic acid granulated with hydroxyl propyl methyl cellulose.

*Product identification*

**Chemical names:**

(5*R*)-5-[(1*S*)-1,2-Dihydroxyethyl]-3,4-dihydroxyfuran-2(5*H*)-one.

**Synonyms:** L-ascorbic acid; L-*xylo*-ascorbic acid; L-(+)-ascorbic acid; vitamin C

**CAS No.:** 50-81-7 **Einecs No.:** 200-066-2

**E No:** E300

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

**Molecular mass:** 176.13 g/mol

*Specifications*

**Appearance:** white to pale yellow powder with an acidic taste

**Identity for ascorbic acid:** corresponds

**Loss on drying:** max. 0.25%

**Ascorbic Acid content:** 96.0-98.0%

**Heavy metals:** max. 10 ppm

**Arsenic:** max. 3 ppm

**Particle Size:** min. 95% through 20 mesh  
Max. 35% through 100 mesh

**Bulk Density:** 0.50-0.70g/ml

**Total plate count:** ≤1000CFU/g

**Total molds yeasts:** ≤100CFU/g

**Coliform organisms:** Negative

**Stability and storage**

This product is fairly stable to air if protected from humidity, but is somewhat sensitive to heat. The product may be stored for 24 months from the date of manufacture in the unopened original container and at room temperature below 25°C. On prolonged storage, a slight yellow discoloration may occur which, however, does not affect the biological activity.

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**Uses**

Especially suited for direct compression of tablets.

**Compendial compliance**

The ascorbic acid used in this formulation meets all requirements of the relevant monographs of the USP, FCC and Ph. Eur. when tested according to these compendia.

**Safety**

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. For full safety information and necessary precautions, please refer to the respective Material Safety Data Sheet.