

## TECHNICAL DATA SHEET

Ascorbic Acid (Vitamin C) | CAS 50-81-7

### 1. Product Identification

|                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| Product Name     | Ascorbic Acid (Vitamin C)                                         |
| CAS Number       | 50-81-7                                                           |
| Synonyms         | Vitamin C, L-Ascorbic acid, E300, L-threo-hex-2-enono-1,4-lactone |
| Category         | Food Chemical                                                     |
| Available Grades | Food Grade/Pharmaceutical Grade/LR/AR                             |
| HSN Code         | 2936.27                                                           |

### 2. Physical & Chemical Properties

|                   |                                              |
|-------------------|----------------------------------------------|
| Molecular Formula | C <sub>6</sub> H <sub>8</sub> O <sub>6</sub> |
| Molecular Weight  | 176.12                                       |
| Appearance        | White to light yellow crystalline powder     |
| Density           | 1694 kg/m <sup>3</sup>                       |
| Boiling Point     | N/A                                          |
| Melting Point     | 190-192°C (d)                                |
| Flash Point       | None                                         |
| Solubility        | Soluble in water (33g/100ml)                 |

### 3. Applications

• Antioxidant (E300) • Vitamin supplement • Pharmaceutical • Cosmetics • Food fortification • Reducing agent

### 4. Industries Served

Food, Pharmaceutical, Cosmetics, Research

### 5. Packing & Supply

Standard industrial packing. Bulk and customised packing available on request. Export supply with full documentation (COA, MSDS, COO, Packing List).

Values are typical and given in good faith as a guide to product characteristics; they do not constitute a specification or guarantee. Refer to the batch COA for certified values.