

Technical Data Sheet

Product Name: Citric Acid Anhydrous BP/USP/FCC/E330/ENSIGN

Molecular Formula: $C_6H_8O_7$

Molecular Weight: 192.1

CAS No.: 77-92-9

| Parameter | Standard |
|-------------------------------------|--|
| Characters | White or almost white, crystalline powder, colourless crystals or granules. Odorless, has a strongly acid taste. Very soluble in water, freely soluble in ethanol, very slightly soluble in diethyl ether. |
| Identification | Passes Test |
| Appearance of Solution | Passes Test |
| Assay | 99.5%-100.5% |
| Water | $\leq 0.5\%$ |
| Readily Carbonisable Substances | Passes Test |
| Sulphated Ash (Residue on Ignition) | $\leq 0.05\%$ |
| Sulfate | $\leq 50\text{mg/kg}$ |
| Oxalate | $\leq 50\text{mg/kg}$ |
| Chloride | $\leq 5\text{mg/kg}$ |
| Lead | $\leq 0.1\text{mg/kg}$ |
| Arsenic | $\leq 0.1\text{mg/kg}$ |
| Mercury | $\leq 0.1\text{mg/kg}$ |
| Aluminium | $\leq 0.2\text{mg/kg}$ |
| Heavy Metals | $\leq 5\text{mg/kg}$ |
| Bacterial Endotoxins | $< 0.5\text{ IU/mg}$ |

Application

Citric Acid is mainly used as acidulant, flavoring agent, preservative and antistaling agent in food and beverage industry. It is also used as antioxidant, plasticizer and detergent in chemical, cosmetics and cleaning industries.

Package

25kg net 3-ply kraft paper bags or composite paper-plastic bags or Form-Fill-Seal heavy packaging PE bags, 500kg or 1000kg net PP woven jumbo bags

Storage: Store in tightly closed original container in a dry, cool, well-ventilated place

Shelf Life: Three years

Particle Size: 30-100mesh (0.150-0.600) mm, 12-40mesh (0.425-1.700) mm

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