



## Specification

### Citric Acid Anhydrous ACS

**Catalog Number:** CA1017  
**CAS Number:** 77-92-9  
**Molecular Formula:**  $C_6H_8O_7$   
**Molecular Weight:** 192.12  
**Storage:** 15°C – 30°C, very hygroscopic  
**Retest Period:** Five years from date of manufacture.

| Test  | Specification               |
|---|-----------------------------|
| Appearance  | White to colorless crystals |
| Assay   | $\geq 99.5\%$               |
| Identification  | To meet requirement         |
| Solubility (50mg/mL, H <sub>2</sub> O)                        | Clear-hazy, colorless       |
| Insoluble Matter  | $\leq 0.005\%$              |
| Residue on Ignition   | $\leq 0.02\%$               |
| Carbonizable Substances (Hot H <sub>2</sub> SO <sub>4</sub> ) | To meet requirement         |
| Chloride  | $\leq 0.001\%$              |
| Oxalate   | To meet requirement         |
| Phosphate   | $\leq 0.001\%$              |
| Sulfate   | $\leq 0.002\%$              |
| Iron  | $\leq 3\text{ppm}$          |
| Lead  | $\leq 2\text{ppm}$          |

Approved:

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