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PRODUCT DATA

CITRIC ACID ANHYDROUS USP/BP

Item #: CI590
CAS No: 77-92-9

M.W.: 192.13
M.Fm: C₆H₈O₇

Description:

Citric Acid is available in anhydrous and monohydrate forms. It occurs as colorless crystals or white crystalline powder. It is odorless, has a strongly acidic taste. One gram is soluble in about 0.5 ml of water, in about 2 ml of alcohol, and in about 30 ml of ether. Citric Acid anhydrous melts at 153°C (307°F).

Applications:

Citrus flavoring in beverages and confectionery. pH adjuster in confectionery, beverages, fruits, vegetables, and dairy products. Anti-coagulant and preservative in meats. Sequestrant and dispersing agent. Class IV preservative in fats, oils, shortening and glycerides. Cleaning agent. Other uses: cosmetics, personal care, textile, and paper products.

Specifications:

This product meets the specifications of USP24 and BP93.

Identification	Per standard
Clarity and Colour of Solution	Per standard
Readily Carbonizable Substances	Per standard
Oxalates	350 ppm max.
Sulfates	150 ppm max.
Heavy metals (as Pb)	10 ppm max.
Water	0.5% max.
Residue on Ignition/Sulfated Ash	0.05% max.
Calcium	200 ppm max.
Barium	Per standard
Iron	50 ppm max.
Chloride	50 ppm max.
Salmonella	Negative
E. Coli	Negative
Total Plate count	1000/g max.
Yeast	100/g max.
Mold	100/g max.
Organic Volatile Impurities	Per standard
Content	99.5% ~ 100.5%

Particle Size:

Fine granular: 30 – 80 Mesh

Granular: 12 – 30 Mesh

Packaging and Storage:

Preserved in 25 kg bag. Store in a cool, dry condition with tight seal.

Shelf Life: 3 years.

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