ADM
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Citric Acid Anhydrous – Granular, USP-NF/FCC (Excipient / Food Use) Product Code 020410

Technical Information

Product Description

Citric Acid Anhydrous is widely used in the food, beverage, and pharmaceutical industries to impart a clean, refreshing tartness. Its prime use is an acidulant, but it is also used a sequestrant of metal ions to give protection from the development of off-flavors and off-odors in certain foodstuffs. A major industrial use of citric acid in in the manufacture of ecologically compatible detergents. It is also used in chemical cleaning, concrete, admixtures, plasticizers, and a range of other applications

Specification

Characteristics	
Formula	C6H8O7
Appearance	White, fine, translucent crystals
Odor	None
Taste	Tart
Solubility (g/100ml @ 25°C	162 in Water / 59.1 in Alcohol

Standard Specifications	
Identification	Meets USP-NF/FCC
Clarity of Solution	Meets USP-NF
Color of Solution	Meets USP-NF
Assay (Anhydrous Basis)	99.5 – 100.5%
Water	Maximum 0.5%
Residue on Ignition	Maximum 0.05%
Limit of Oxalic Acid	Maximum 0.036%
Sulfate	Maximum 0.015%
Heavy Metals (as lead)	Maximum5.0%
Lead	Maximum 0.5%
Readily Carbonizable Substances	Not darker than matching fluid
Oxalate	Passes Test

Other Information

Labelling

Citric Acid Anhydrous

Identification

CAS No: 77-92-9

Regulatory Data

Country of Origin: United States
GRAS Affirmation: 21 CFR 184.1033

Granulation

On 16 USS Mesh	Maximum 2%
Through 50 USS Mesh	Maximum 10%

Lot Numbering Information

SYMMDDB (Ex: S308261 – 8-26-23
S – Manufacturing location (Southport, NC)
Y – Last digit of year
MM – Month
DD – Day of month
B – Packaging bin number

Storage and Shelf Life

Citric Acid Anhydrous should be stored below 75°F and 55% relative humidity inside a tightly sealed container. The shelf life or "best by" date is 36 months or 1095 days.

Availability

ADM Citric Acid Anhydrous is available in 50 lb. bags, 25 kg bags, 250 lb. drums, 1000 kg and 2000 lb. tote quantities.

Regulatory Status

This food Additive complies with all of the compendial requirements of the U.S.. Pharmacopeia, Food Chemical Codex, Code of Federal Regulation, European Pharmacopoeia, British Pharmacopoeia, Japanese Pharmacopoeia, and W.H.O. / F. A. O. Food Addition specification.