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Citribrite CAA

Citric Acid Anhydrate

BP2009/USP32/E330
food grade

CAS nr: 77-92-9
Einecs nr: 201-069-1

Product information

Synonyms: 2-Hydroxy-1,2,3-propanetricarboxylic acid; Citric acid anhydrous; $C_6H_8O_7$

Citribrite CAA is a widely used acidifier. It gives food a fresh taste. Citribrite CAA forms bonds with metals, thus preserving food as well as keeping water soft in cleaning formulations.
Consult also our Citribrite CAM and Citribrite TSC.

Based on these characteristics, Citribrite CAA is used as:

- builder and sequestrant in detergents
- chelating / anti scaling in water treatment
- sour agent, buffering agent, preservative and antioxidant in the food and cosmetics industry
- correctant (masking unpleasant taste) in the pharmaceutical industry
- plasticizer in nail polish and hair spray
- active ingredient in deodorant
- an anti-coagulant in blood transport
- disintegrator in fizzy tablets
- veterinary anti-diarrhea medicine
- blowing agent in the plastic industry
- etching aid for metal surface cleaning

Product specifications

Test Item	Citribrite CAA Fine	Citribrite CAA Medium	Citribrite CAA Coarse
Appearance	Colourless crystals	Colourless crystals	Colourless crystals
Odour	Odourless	Odourless	Odourless
Moisture, %	max. 0.2	max. 0.2	max. 0.5
Assay, %	99.8 – 100.2	99.8 – 100.2	99.5 – 100.5
Colour (500g/l, T@405nm, 1cm cell), %T	> 98.0	> 98.0	> 98.0
Sieve residue, %	< 5.0 on mesh30 (550µm)	< 12.0 on mesh16 (1180µm)	< 40.5 on mesh8 (2380µm)
Through sieve, %	< 5.0 through mesh80 (180µm)	< 2.0 through mesh40 (425µm)	< 0.1 through mesh50 (300µm)
Heavy metals, ppm	< 1	< 1	< 1
Arsenic, ppm	< 0.1	< 0.1	< 0.1
Lead, ppm	< 0.5	< 0.5	< 0.5
Mercury, ppm	< 1	< 1	< 1
Copper, ppm	< 1	< 1	< 1
Zinc, ppm	< 1	< 1	< 1
Calcium, ppm	< 10	< 10	< 10
Magnesium, ppm	< 1	< 1	< 1
Chlorides, ppm	< 5	< 5	< 5
Sulphates, ppm	< 30	< 30	< 30
Oxalates, ppm	< 10	< 10	< 20
Sulphated Ash, ppm	< 0.05	< 0.05	< 0.05
Bacetria endotoxin, lU/mg	< 0.5	< 0.5	< 0.5

Change specifications

Commercial

Packaging:
25kg bags, big bags
Lead time medium particle size:
1 week (directly from stock)
Lead time fine and coarse particles:
6 weeks

Technical

Citric acid is known hygroscopic and easily forms lumps. The manufacturing procedure, particle size distribution and packaging of Citribrite CAA are such that lumping is avoided. This is a guarantee.

Citribrite CAA (E330) complies with BP2009 and USP32.