

**ENSIGN**

Manufacturer: Shandong Ensign Industry Co., Ltd.
Produced for Niran Europe B.V.

**Europe**

Technical Data Sheet

Version 2 : Sep 23, 2022

Product Name: Citric Acid Anhydrous BP/USP/FCC/E330**Product Identification**

Chemical name: 2-hydroxy-1,2,3-propanetricarboxylic acid

Synonyms: Citric acid

E no.: E330

CAS no.: 77-92-9

EIN ECS No.: 201-069-1

I NCI name: Citric Acid Empirical

Chemical formula: C₆H₈O₇

Molecular mass: 192,12 grams / mol

Applicable for article numbers:

Article no.	Description	Mesh size	Particle Size	Packaging
20011	CAA Granular	12-40	(0.425-1.700) mm	25kg PE heavy film bags
20013	CAA Granular	12-40	(0.425-1.700) mm	1.000kg PP woven Big Bags
20021	CAA Fine Granular	30-100	(0.150-0.600) mm	25kg PE heavy film bags

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.
Identification	Passes Test
Appearance of Solution	Passes Test
Assay	99.5%-100.5%
Water	≤ 0.5%
Readily Carbonisable Substances	Passes Test
Sulphated Ash (Residue on Ignition)	≤ 0.05%
Sulfate	≤ 150mg/kg
Oxalate	≤ 100mg/kg
Aluminium	≤ 0.2mg/kg
Lead	≤ 0.5mg/kg
Arsenic	≤ 1mg/kg
Mercury	≤ 1mg/kg
Heavy Metals	≤ 10mg/kg
Bacterial Endotoxins	< 0.5 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.

Storage: Store in tightly closed original container in a dry, cool, well-ventilated place.**Shelf Life:** Three years.

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