Arena Petro Gas

Producer and Supplier in the fields of Chemical ,Oil ,Gas and Petrochemical industries

DATE: 2024-2025
Arena Code: AS10371/JAI-CIT-ACID-ANHYD

Technical Data Sheet

Citric Acid

Anhydrous

Citric acid is a weak organic acid commonly used in the food, cosmetic and pharmaceutical industry. The parent base of citric acid, citrate, is a component of the Krebs cycle, and occurs naturally during metabolism in all living organisms. It is found naturally in citrus fruit such as lemons and limes and is used as a natural preservative. Anhydrous citric acid has had the water molecules removed and is usually in a dry, powdered formulation.

Applications:

As an edible acid, citric acid is one of the most important organic acids used in various industries, especially food and medicine, so that in food industry it is more than 70%, medicine is about 12%, chemical is 11%, leather is 4% and cosmetics is 2%. % and other industries consume 1%.

ITEM	STANDARD	ACUTUAL DATA	TEST METHOD
CHARACTERS	COLOURLESS TRANSLUCENT CRYSTALS OR AS WHITE,FINE, CRYSTALLINE POWDER	COLOURLESS TRANSLUCENT CRYSTALS OR AS WHITE,FINE, CRYSTALLINE POWDER	BP
IDENTIFICATION	PASS TEST	PASS TEST	BP
CLARITY & COLOUR OF SOLUTION	PASS TEST	PASS TEST	BP
CONTENT	99.5-100.5%	100%	BP
MOISTURE	0.5 %	0.5 %	BP
OXALIC ACID	≤100 mg/kg	≤50 mg/kg	BP
SULPHATE	≤150 ppm	≤30 ppm	BP
READILY CARBONISABLE SUBSTANCE	STANDARD COLOUR	STANDARD COLOUR	BP
RESIDUE ON IGNITION(SULPHATE ASH)	≤0.05%	≤ 0.01%	FCC
HEAVY METALS	≤10 PPM	< 1 ppm	BP
ARSENIC	≤1 mg/kg	<0.1 mg/kg	BP
LEAD	≤ 0.5 mg/kg	< 0.1 mg/kg	FCC
BACTERIAL ENDOTOXINS	≤0.5 lu/mg	<0.125	BP
CALCIUM	≤200 ppm	<50 ppm	BP
IRON	≤ 50 ppm	<5 ppm	BP
CHOLORIDE	≤ 50 ppm	< 10 ppm	BP
MERCURY	≤ 1 mg/kg	0.05 mg/kg	E330

Arena Petro Gas
Head Office:
Head Office: Unit 1011, 10th Floor, Kian Center 2 , Janbaz Blvd, Mashhad, Iran
Postal Code : 9197810030
Tell:+98-51-3883 9090
Fax:+98-51-3883 9010
Mobile: +98 915 005 1050
Website: www.arena-petrogas.com
E-mail: info@arena-petrogas.com