



CITRIC ACID MONOHYDRATE

Technical Specifications

Description:

Citric acid Monohydrate is widely used in the food, beverage, agriculture and chemical industries. A major industrial use is in the manufacture of ecologically compatible detergents. It is also used in chemical cleaning and a range of other applications. The citric acid is manufactured by a submerged fermentation process using natural carbohydrates, and can meet USP, FCC, BP, and E330.

General Characteristics:

Formula: $C_6H_8O_7 \cdot H_2O$
Molecular weight: 210.14
Appearance: White crystals
Taste: Sour taste
Odor: odorless
CAS No.: 5949-29-1
EINECS No.: 201-069-1
Particle size: Granular 08-80 mesh

Standard Specifications

ITEM	UNIT	STANDARD DATA
DESCRIPTION	---	COLOURLESS CRYSTAL, WHITE
IDENTIFICATION & SOLUBILITY	---	PASS TEST
CLARITY & COLOR OF SOLUTION	---	PASS TEST
READILY CARBONISABLE SUBSTANCES	---	PASS TEST
EVALUATION OF INSOLUBLES	---	PASS TEST
ODOR	---	PASS TEST
BARIUM	---	PASS TEST
ASSAY	%	99.50-100.5
WATER	%	7.5-8.8
HEAVY METALS	PPM	≤ 5
OXALATE	PPM	≤ 100
NICKEL	PPM	≤ 1.0
IRON	PPM	≤ 5.0
ARSENIC	PPM	≤ 1.0
MERCURY	PPM	≤ 1.0
LEAD	PPM	≤ 0.5
BACTERIAL ENDOTOXINS	I.U./MG	≤ 0.5
SULPHATED ASH	%	≤ 0.05
CHLORIDE	PPM	≤ 50
CALCIUM	PPM	≤ 50
COBALT	PPM	≤ 1.0
CHROMIUM	PPM	≤ 1.0
SULPHATE	PPM	≤ 150

Marks: Analysis is based on in production line control or random testing.

Packing:

25Kg Multiwall paper bags
50lb (22.68kg) Multiwall paper bags

Shelf Life and Storage:

Shelf Life: 3 years

Storage Conditions: Store in closed containers in a cool, dry area