

Trisodium citrate dihydrate E331(iii) food grade**TECHNICAL SPECIFICATIONS****No: 0068952/06/2023****PRODUCT NAME :** Trisodium citrate dihydrate USP43, BP 2020, EP10, FCC, E331(iii), food grade**CAS:** 6132-04-3**REACH:** 01-2119457027-40**EINECS:** 200-675-3**CHEMICAL FORMULA:** C₆H₅O₇Na₃·2H₂O**APPEARANCE :** Crystalline white powder or colourless crystals

Parameter	Unit	Limit
Identification		Passes test
Clarity and color of solution		Clear and colourless
Appearance of solution		Passes test
Acidity or Alkalinity		Passes test
Tartrate		Passes test
Organic volatile impurities		Passes test
Test for Citrate		Passes test
Test for Sodium		Passes test
Purity	[%]	99.0-100.5
Loss on Drying(180°C,18 hours)	[%]	10.0-13.0
Readily carbonisable substances		Not deeper than standard
Sulfates	[ppm]	≤ 150
Chlorides	[ppm]	≤ 50
Oxalates (expressed as oxalic acid, after drying)	[ppm]	≤ 100
Lead	[ppm]	≤ 1
Iron	[ppm]	≤ 1
Arsenic(As)	[ppm]	≤ 1
Mercury(Hg)	[ppm]	≤ 1
Heavy metals	[ppm]	≤ 5
pH value in 5% aqueous solution		7.5 - 9.0

The certificate was made on the basis of the supplier's certificate. The data contained in this certificate were prepared on the basis of certificates and quality standards of suppliers or manufacturers and on the basis of tests in the factory laboratory.

CERTIFICATES AND STANDARDS:

- The product conforms with the standard of E 331(iii) (according to Commission Regulation (EU) No 231/2012).
- The product conforms with Number 11.4.7 Sodium salts of organic acids (Trisodium Citrate) – feed Material – according to Regulation (EU) No 68/2013

SHELF LIFE: Three years**PARTICLE SIZE:** 12-40mesh , 30-100mesh or 40-100mesh;**SOLUBILITY:** Free soluble in water, practically insoluble in ethanol(96 percent).**STORAGE CONDITIONS:** Store in cool, dry place in well-closed containers.

Prepared by

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