



Specification

Concerning Product:	
Article number	6132043EL
Trade name / designation / denomination	Trinatriumcitrat Dihydrat, E331
CAS number	6132-04-3
Other names / synonyms	•1,2,3-Propanetricarboxylic acid, 2-hydroxy-, sodium salt, hydrate (1:3:2); •Sodium Citrat crystalline; •Sodium Citrat powder; •trisodium 2-hydroxypropane-1,2,3-tricarboxylate dihydrate; •trisodium citrate dihydrate;
EC number	612-118-5 200-675-3
Customs tariff number / CN code / TARIC	29181500
Molecular weight [g / mol]	294.09957
Formula	C ₆ H ₉ Na ₃ O ₉

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	clear and colourless	
Appearance	white crystalline powder or colourless crystals	
Physical parameter		
Acidity/Alkalinity	complies	
Loss on drying	180°C, 18h 11,0 – 13,0	%
pH value	(5% in H ₂ O): 7,5 – 9,0	
Solubility	free soluble in water, practically insoluble in ethanol(96 percent)	
Identity		
Assay	99,0 – 101,0	%
Identification	complies	
Impurities		
citrate	complies	

Heavy Metals (as Pb)	≤ 5	ppm
Oxalate (as anhydros Oxalic Acid)	≤ 100	ppm
Readily carbonizable substances	Not deeper than standard	
Sulphates (SO ₄)	≤ 150	ppm
Impurity	Tartrate: complies	
Elemental Impurities		
Arsenic (As)	≤ 1	ppm
Cadmium (Cd)	≤ 0,1	ppm
Chlorides (Cl)	≤ 50	ppm
Mercury (Hg)	≤ 1	ppm
Sodium (Na)	complies	%
Lead (Pb)	≤ 1	ppm
Organic volatile impurities		
Org. volat. Imp. Total	complies	
Microbiological data		
Pyrogens	complies	
Particle size distribution		
Particles	30-100mesh	

Supplemental information:

Shelf life: 2 years

Complies with monographie: The product conforms with the standard of E 331 (according to Commission Regulation (EU) No 231/2012).

Packing: 25 kgs net paper bag with PE liner,without pallets,25mts/20'FCL; with pallets,22mts/20'FCL; 1000 kgs net big bag, with pallets,20mts/20'FCL;

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 26. Aug. 2022

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