

**Changes to legislation:** There are currently no known outstanding effects for the Commission Regulation (EU) No 231/2012, E 331 (iii) TRISODIUM CITRATE. (See end of Document for details)

## ANNEX

**E 331 (iii) TRISODIUM CITRATE**

<b>Synonyms</b>	Tribasic sodium citrate
Definition	
Einecs	200-675-3
Chemical name	Trisodium citrate; Trisodium salt of 2-hydroxy-1,2,3-propanetricarboxylic acid; Trisodium salt of citric acid, in anhydrous, dihydrate or pentahydrate form
Chemical formula	Anhydrous: $C_6H_5O_7Na_3$ Hydrated: $C_6H_5O_7Na_3 \cdot nH_2O$ (n = 2 or 5)
Molecular weight	258,07 (anhydrous) 294,10 (hydrated n = 2) 348,16 (hydrated n = 5)
Assay	Not less than 99 % on the anhydrous basis
<b>Description</b>	Crystalline white powder or colourless crystals
Identification	
Test for citrate	Passes test
Test for sodium	Passes test
pH	Between 7,5 and 9,0 (5 % aqueous solution)
Purity	
Loss of drying	Anhydrous: not more than 1,0 % (180 °C, 18 hours) Dihydrate: 10,0 to 13,0 % (180 °C, 18 hours) Pentahydrate: not more than 30,3 % (180 °C, 4 hours)
Oxalates	Not more than 100 mg/kg expressed as oxalic acid, after drying
Arsenic	Not more than 1 mg/kg
Lead	Not more than 2 mg/kg
Mercury	Not more than 1 mg/kg

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