

S Sodium chloride 0.1 mol, concentrated solution

Sodium chloride 0.1 mol concentrated aqueous solution ConvoL NORMADOSE® volumetric solution

Dose for preparation of 1 litre of solution

Titer (20°C) 0.0995 to 0.1005 mol/l

Cat. No.	Pk	Pack type
32064.600	60 ml	Plastic ampoule

Sodium chloride 5 mol/l (5 N) in aqueous solution for biotechnology, sterile

Common source of salts for media propagation of many organisms.

Conductivity (1 %, Water) 5000 - 7000 umhos
 Identification PASS
 pH @ 25 °C 5.0 - 9.0
 Sterility PASS

Cat. No.	Pk	Pack type
E529-100ML	100 ml	Plastic bottle
E529-500ML	500 ml	Plastic bottle

Sodium chloride 1 mol/l (1 N) in aqueous solution AVS TITRINORM® volumetric solution

Titer (20°C; real value 0.2 % accuracy) 0.998 to 1.002 mol/l

Cat. No.	Pk	Pack type
31535.292	1 l	Glass bottle

tri-Sodium citrate dihydrate

Citric acid trisodium salt dihydrate, Sodium citrate tribasic dihydrate

CAS 6132-04-3

EINECS: 200-675-3

HOC(COONa)(CH₂COONa)₂·2H₂O

M.W. 294.1 g/mol

Density: 1.76 g/cm³ (20 °C)

Melting Pt: 150 °C

Storage Temperature: Ambient temperature

tri-Sodium citrate dihydrate AnalAR NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent

Assay (calculated on anhydrous) ... 99.0 to 101.0 %
 Appearance of solution Passes test Ph.Eur.
 Identification A Passes test Ph.Eur.
 Identification B Passes test Ph.Eur.
 Readily carbonisable substances Passes test Ph.Eur.
 pH (25°C; 5 %) 7.5 to 9.0
 Insolubility in water Max. 50 ppm
 Total N (Nitrogen) Max. 10 ppm
 Cl (Chloride) Max. 10 ppm
 PO₄ (Phosphate) Max. 20 ppm
 As (Arsenic) Max. 1 ppm
 Cu (Copper) Max. 5 ppm
 Li (Lithium) Max. 5 ppm
 Conforms to ACS Passes test

Acidity or alkalinity Passes test Ph.Eur.
 Identification A Passes test Ph.Eur.
 Solution S Passes test Ph.Eur.
 Tartaric acid Passes test
 Heavy metals (as Pb) Max. 5 ppm
 Oxalic acid Max. 100 ppm
 Water 11.0 to 13.0 %
 NH₃ (Ammonia) Max. 30 ppm
 SO₄ (Sulphate) Max. 40 ppm
 Ca (Calcium) Max. 50 ppm
 Fe (Iron) Max. 5 ppm
 Pb (Lead) Max. 5 ppm
 Conforms to Reag. Ph.Eur. Passes test

Cat. No.	Pk	Pack type
27833.237	250 g	Plastic bottle for solids
27833.260	500 g	Plastic bottle for solids
27833.294	1 kg	Plastic bottle for solids
27833.363	5 kg	Plastic bottle for solids
27833.460	25 kg	Cardboard carton

tri-Sodium citrate dihydrate, crystallized Ph. Eur.

Assay (calculated on anhydrous) 99.0 to 101.0 %
 Appearance White crystalline powder
 Identification A Passes test
 Identification B Passes test
 Solution S Passes test
 Appearance of solution Passes test
 Acidity or alkalinity Passes test
 Readily carbonisable substances Passes test
 Cl (Chloride) Max. 50 ppm
 C₂O₄ (Oxalate) Max. 300 ppm
 SO₄ (Sulphate) Max. 150 ppm
 Heavy metals (as Pb) Max. 10 ppm
 Water 11.0 to 13.0 %
 Residual solvents Passes test

Cat. No.	Pk	Pack type
27831.297	1 kg	Plastic bottle for solids
27831.366	5 kg	Plastic bottle for solids

tri-Sodium citrate dihydrate GPR RECTAPUR®

Assay Min. 99 %
 Heavy metals (as Pb) Max. 10 ppm
 Cl (Chloride) Max. 50 ppm
 Fe (Iron) Max. 10 ppm

Cat. No.	Pk	Pack type
27830.294	1 kg	Plastic bottle for solids
27830.363	5 kg	Plastic bottle for solids
27830.460	25 kg	Bucket (Plastic)

tri-Sodium citrate dihydrate Gen-Apex® Molecular biology grade

Assay Min. 99 %
 Colouration (0.1 mol/l; water) Max. 10 APHA
 Heavy metals (as Pb) Max. 2 ppm
 Transmittance (260 nm) Min. 98 %
 Transmittance (280 nm) Min. 98 %

Cat. No.	Pk	Pack type
33615.268	500 g	Plastic bottle for solids

tri-Sodium citrate dihydrate Electran® Molecular biology grade

Assay Min. 99.5 %
 DNases Not detected
 RNases Not detected
 Proteases Not detected
 Absorbance (260 nm) (0.1 mol/l) Max. 0.01
 Absorbance (280 nm) (0.1 mol/l) Max. 0.01
 Heavy metals (as Pb) Max. 0.001 %
 pH (20 °C; 5 %) 7.5 to 9
 Cl (Chloride) Max. 0.001 %
 PO₄ (Phosphate) Max. 0.002 %
 SO₄ (Sulphate) Max. 0.005 %
 As (Arsenic) Max. 0.00001 %
 Ca (Calcium) Max. 0.001 %
 Cd (Cadmium) Max. 0.0005 %
 Cr (Chromium) Max. 0.0005 %
 Cu (Copper) Max. 0.0005 %
 Fe (Iron) Max. 0.0005 %
 Mn (Manganese) Max. 0.0005 %
 Ni (Nickel) Max. 0.0005 %
 Pb (Lead) Max. 0.0005 %
 Zn (Zinc) Max. 0.0005 %

Cat. No.	Pk	Pack type
436072K	100 g	Glass bottle for solids
436075N	1 kg	Glass bottle for solids

Sodium citrate tribasic dihydrate

See tri-Sodium citrate dihydrate p.436