

VWR LIFE SCIENCE Chymostatin, ultrapure

A reversible serine protease inhibitor of α , β , γ , Δ -chymotrypsin. Also inhibits papain and many other cysteine proteases.

Cat. No.	Pk	Pack type
J584-5MG	5 mg	Glass bottle

NEW Citrate 1,000 mg/l in water standard for ion chromatography

- Traceable to NIST
- Manufactured and tested in ISO Guide 34/ ISO17025 accredited facilities
- Supplied with certificate of analysis

Cat. No.	Pk	Pack type
84964.180	100 ml	Plastic bottle

Citric acid, anhydrous, powder AnalAR NORMAPUR®



Warning

CAS 77-92-9

$\text{HOC}(\text{COOH})(\text{CH}_2\text{COOH})_2$ M.W. 192.13 g/mol
 Boiling Pt: 310 °C (1013 hPa) Melting Pt: 149-151 °C Density: 1,665 g/cm³ (18 °C, OECD 109)

Storage Temperature: Ambient REACH: 01-2119457026-42

Assay	Min. 99.8 %	Ignition residue (SO ₄)	Passes test USP
Heavy metals (as Pb)	Max. 1 ppm	CO ₂ (as C ₂ H ₂ O ₄)	Max. 10 ppm
Cl (Chloride)	Max. 5 ppm	SO ₄ (Sulphate)	Max. 30 ppm
Al (Aluminium)	Max. 0.2 ppm	As (Arsenic)	Max. 1 ppm
Ba (Barium)	Max. 1 ppm	Ca (Calcium)	Max. 20 ppm
Cu (Copper)	Max. 1 ppm	Fe (Iron)	Max. 1 ppm
Hg (Mercury)	Max. 1 ppm	Mg (Magnesium)	Max. 1 ppm
Pb (Lead)	Max. 0.5 ppm	Zn (Zinc)	Max. 1 ppm

Cat. No.	Pk	Pack type
84841.290	1 kg	Plastic bottle for solids

Citric acid, anhydrous, powder Ph. Eur.



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$\text{HOC}(\text{COOH})(\text{CH}_2\text{COOH})_2$ M.W. 192.13 g/mol
 Boiling Pt: 310 °C (1013 hPa) Melting Pt: 149-151 °C Density: 1,665 g/cm³ (18 °C, OECD 109)

Storage Temperature: Ambient REACH: 01-2119457026-42

Not suitable for parenteral use

Assay (calculated on anhydrous)	99.5 - 100.5 %
Appearance	Conforms (see CoA/CoS)
Identification B	Passes test
Appearance of solution	Passes test
Readily carbonisable substances	Passes test
Oxalic acid	Max. 360 ppm
SO ₄ (Sulphate)	Max. 150 ppm
Heavy metals (as Pb)	Max. 10 ppm
Water	Max. 1.0 %
Sulphated ash	Max. 0.1 %
Residual solvents	Unlikely by manuf.process

Cat. No.	Pk	Pack type
20282.293	1 kg	Plastic bottle for solids
20282.362	5 kg	Bucket (Plastic)
20282.464	25 kg	Bucket (Plastic)

Citric acid, anhydrous, powder GPR RECTAPUR®



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$\text{HOC}(\text{COOH})(\text{CH}_2\text{COOH})_2$ M.W. 192.13 g/mol
 Boiling Pt: 310 °C (1013 hPa) Melting Pt: 149-151 °C Density: 1,665 g/cm³ (18 °C, OECD 109)

Storage Temperature: Ambient REACH: 01-2119457026-42

Assay	Min. 99.5 %
Heavy metals (as Pb)	Max. 10 ppm
Water	Max. 0.2 %
Pb (Lead)	Max. 5 ppm

Cat. No.	Pk	Pack type
84842.290	1 kg	Plastic bottle for solids
84842.360	5 kg	Plastic bottle for solids

Citric acid monohydrate AnalAR NORMAPUR® ACS, USP, Reag.Ph.Eur analytical reagent



Warning

CAS 5949-29-1

$\text{HOC}(\text{COOH})(\text{CH}_2\text{COOH})_2 \cdot \text{H}_2\text{O}$ M.W. 210.14 g/mol
 Melting Pt: 135-152 °C Density: 1,552 g/cm³ (20 °C)

Storage Temperature: Ambient

Assay	99.7 - 100.5 %	Identification (IR)	Passes test
Readily carbonisable substances	Passes test	Heavy metals (as Pb)	Max. 10 ppm
Ignition residue (SO ₄)	Max. 0.02 %	Insolubility in water	Max. 50 ppm
Oxalic acid (calculated on anhydrous)	Max. 360 ppm	Tartaric acid	Max. 0.2 %
Water	7.5 - 9.0 %	CO ₂ (as C ₂ H ₂ O ₄)	Max. 0.04 %
Cl (Chloride)	Max. 5 ppm	PO ₄ (Phosphate)	Max. 10 ppm
SO ₄ (Sulphate)	Max. 20 ppm	As (Arsenic)	Max. 0.1 ppm
Ca (Calcium)	Max. 20 ppm	Cu (Copper)	Max. 5 ppm
Fe (Iron)	Max. 3 ppm	Mg (Magnesium)	Max. 5 ppm
Ni (Nickel)	Max. 1 ppm	Pb (Lead)	Max. 2 ppm
Conforms to ACS	Passes test	Conforms to Reag. Ph.Eur.	Passes test
Conforms to Reag. USP	Passes test		

Cat. No.	Pk	Pack type
20276.235	250 g	Plastic bottle for solids
20276.292	1 kg	Plastic bottle for solids
20276.361	5 kg	Plastic bottle for solids
20276.460	25 kg	Cardboard carton

Citric acid monohydrate, powder Ph. Eur.



Warning

CAS 5949-29-1

$\text{HOC}(\text{COOH})(\text{CH}_2\text{COOH})_2 \cdot \text{H}_2\text{O}$ M.W. 210.14 g/mol
 Melting Pt: 135-152 °C Density: 1,552 g/cm³ (20 °C)

Storage Temperature: Ambient

Not suitable for parenteral use

Assay (calculated on anhydrous)	99.5 - 100.5 %
Appearance	Conforms (see CoA/CoS)
Identification B	Passes test
Appearance of solution	Passes test
Readily carbonisable substances	Passes test
Oxalic acid (calculated on anhydrous)	Max. 360 ppm
SO ₄ (Sulphate)	Max. 150 ppm
Heavy metals (as Pb)	Max. 10 ppm
Water	7.5 - 9.0 %
Sulphated ash	Max. 0.1 %
Residual solvents	Unlikely by manuf.process

Cat. No.	Pk	Pack type
85514.290	1 kg	Plastic bottle for solids
85514.360	5 kg	Plastic bottle for solids
85514.460	25 kg	Bucket (Plastic)