

## α-Chymotrypsin

### Warning

H319 H335 H315 H317  
P280 P302+P352 P304+P340 P305+P351+P338  
P309+P310



CAS 9004-07-3

Index 647-011-00-2

EINECS: 232-671-2

Storage Temperature: -20°C

### VWR CHEMICALS α-Chymotrypsin, high purity

Chymotrypsin Activity (Dry Basis)	1000 U/mg
Loss on Drying	5.0 %
Residue after Ignition	2.5 %
Solubility (Water, 10,000 U/ml)	PASS
Trypsin	1.0 %

Cat. No.	Pk	Pack type
0164-1G	1 g	Glass bottle
0164-5G	5 g	Glass bottle

### VWR CHEMICALS α-Chymotrypsin, proteomics grade

Chymotrypsin Activity (Dry Basis)	1000 U/mg
Loss on Drying	5.0 %
Residue after Ignition	2.5 %
Solubility (Water, 10,000 U/ml)	PASS
Trypsin	1.0 %

Cat. No.	Pk	Pack type
M102-1G	1 g	Glass bottle

## Citric acid

Hydroxytricarballic acid

### Danger

H318  
P280 P305+P351+P338 P309+P310



CAS 77-92-9

EINECS: 201-069-1

$\text{HOC}(\text{COOH})(\text{CH}_2\text{COOH})_2$

M.W. 192.13 g/mol

Density: 1.665 g/cm<sup>3</sup> (20 °C)

Boiling Pt: 310 °C (1013 hPa)

Melting Pt: 149 to 151 °C

Storage Temperature: Ambient temperature

### NEW Citric acid, anhydrous, powder AnalR NORMAPUR®

Assay	99.8 to 100.2 %	Ignition residue (SO <sub>4</sub> )	Passes test USP
Heavy metals (as Pb)	Max. 1 ppm	Water	Max. 0.2 %
Cr <sub>2</sub> O <sub>7</sub> (as Cr <sub>2</sub> O <sub>3</sub> )	Max. 10 ppm	Cl (Chloride)	Max. 5 ppm
SO <sub>4</sub> (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.

Assay (calculated on anhydrous)	99.5 to 100.5 %
Appearance	White crystalline powder
Identification B	Passes test
Appearance of solution	Passes test
Readily carbonisable substances	Passes test
Oxalic acid	Max. 360 ppm
SO <sub>4</sub> (Sulphate)	Max. 150 ppm
Heavy metals (as Pb)	Max. 10 ppm
Water	Max. 1.0 %
Sulphated ash	Max. 0.1 %
Residual solvents	Passes test

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)

Not suitable for parenteral use

### NEW Citric acid, anhydrous, powder GPR RECTAPUR®

Assay	Min. 98.5 %
Heavy metals (as Pb)	Max. 10 ppm
Water	Max. 0.2 %
Pb (Lead)	Max. 5.0 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

### Danger

H318  
P280 P305+P351+P338 P309+P310



CAS 5949-29-1

EINECS: 201-069-1

Flash Pt: 173.9 °C (closed cup)

$\text{HOC}(\text{COOH})(\text{CH}_2\text{COOH})_2 \cdot \text{H}_2\text{O}$

M.W. 210.14 g/mol

Density: 1.552 g/cm<sup>3</sup> (20 °C)

Melting Pt: 135 to 152 °C

Storage Temperature: Ambient temperature

### Citric acid monohydrate AnalR NORMAPUR® analytical reagent

Assay	99.7 to 100.5 %	Readily carbonisable substances	Passes test
Heavy metals (as Pb)	Max. 10 ppm	Ignition residue (SO <sub>4</sub> )	Max. 0.02 %
Insolubility in water	Max. 50 ppm	Tartaric acid	Max. 0.2 %
Water	7.5 to 9.0 %	Cr <sub>2</sub> O <sub>7</sub> (as Cr <sub>2</sub> O <sub>3</sub> )	Max. 0.04 %
Cl (Chloride)	Max. 5 ppm	PO <sub>4</sub> (Phosphate)	Max. 10 ppm
SO <sub>4</sub> (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

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