

### Arsenic standard solution, 1,000 mg/l As in dil. nitric acid (from As) ARISTAR® standard for ICP-MS

Traceable to SRM from NIST, tested in ISO Guide 34 /ISO17025 accredited laboratory.

Cat. No.	Pk	Pack type
456642J	100 ml	Plastic bottle

Supplied with certificate of analysis.

### Arsenic standard solution, 1,000 mg/l As in dil. nitric acid (from As) ARISTAR® standard for ICP

Traceable to SRM from NIST, tested in ISO Guide 34 /ISO17025 accredited laboratory.

Cat. No.	Pk	Pack type
455042K	100 ml	Plastic bottle
455044M	500 ml	Plastic bottle

Supplied with certificate of analysis.

### Arsenic standard solution, 1,000 mg/l As in dil. nitric acid AVS TITRINORM® standard for AAS

Tested according to ISO 17025

Cat. No.	Pk	Pack type
86661.180	100 ml	Plastic bottle
86661.260	500 ml	Plastic bottle

Supplied with certificate of analysis. Real value +/- 0.3%

## Arsenite solution

### NEW Arsenite solution Reag. Ph. Eur. 1008301

Cat. No.	Pk	Pack type
87781.180	100 ml	Plastic bottle

Supplied with certificate of analysis. Normally manufactured to order. Please check with customer services.

## L(+)-Ascorbic acid

Acidum ascorbicum

CAS 50-81-7

EINECS: 200-066-2

$C_6H_8O_6$

M.W. 176.13 g/mol

Density: 1.694 g/cm<sup>3</sup> (20 °C)

Boiling Pt: 553 °C (1013 hPa)

Melting Pt: 190 to 192 °C

Storage Temperature: Ambient temperature

## L(+)-Ascorbic acid AnalAR NORMAPUR® analytical reagent

Assay	99.0 to 100.5 %
Appearance of solution (50 g/l; water)	Passes test
Melting point	187 to 192 °C
Specific optical rotation (10 %; water)	20.5 to 21.5 °
Spec. optical rotation (25 °C; 10 % water)	20.5 to 21.5 °
Heavy metals (as Pb)	Max. 10 ppm
Ignition residue (SO <sub>4</sub> )	Max. 0.05 %
Loss on drying (105 °C)	Max. 0.1 %
Cl (Chloride)	Max. 20 ppm
SO <sub>4</sub> (Sulphate)	Max. 20 ppm
Ca (Calcium)	Max. 50 ppm
Cu (Copper)	Max. 10 ppm
Fe (Iron)	Max. 2 ppm
Pb (Lead)	Max. 10 ppm
Conforms to BDH 10303	Passes test

Cat. No.	Pk	Pack type
20150.184	100 g	Plastic bottle for solids
20150.231	250 g	Plastic bottle for solids
20150.290	1 kg	Plastic bottle for solids

## L(+)-Ascorbic acid USP, Ph. Eur.

Assay	99.0 to 100.5 %
Appearance	White crystalline powder
Identification A	Passes test USP
Identification B	Passes test Ph. Eur.
Identification B	Passes test USP
Identification C	Passes test Ph. Eur.
Solution S	Passes test
Appearance of solution	Passes test
Specific optical rotation	20.5 to 21.5 °
Impurity E (Oxalic acid)	Max. 0.2 %
Related substances	Passes test Ph. Eur.
Cu (Copper)	Max. 5.0 ppm
Fe (Iron)	Max. 2.0 ppm
Heavy metals (as Pb)	Max. 10 ppm
Sulphated ash	Max. 0.1 %
Residual solvents	Passes test

Cat. No.	Pk	Pack type
83568.180	100 g	Plastic bottle for solids
83568.290	1 kg	Plastic bottle for solids
83568.360	5 kg	Plastic bottle for solids
83568.460	25 kg	Bucket (Plastic)

## L(+)-Ascorbic acid TECHNICAL

Identification ..... Passes test

Cat. No.	Pk	Pack type
20155.237	250 g	Plastic bottle for solids
20155.294	1 kg	Plastic bottle for solids

## Ascorbic acid solution

### NEW Ascorbic acid solution Reag. Ph. Eur. 1008401

Cat. No.	Pk	Pack type
87782.180	100 ml	Plastic bottle

Supplied with certificate of analysis. Normally manufactured to order. Please check with customer services.

## L(+)-Ascorbic acid sodium salt

See Sodium L(+)-ascorbate ..... p.432

## L(+)-Asparagine

(S)-(+)-Asparagine

CAS 70-47-3

EINECS: 200-735-9

$H_2NCOCH_2CH(NH_2)CO_2H$

M.W. 132.12 g/mol

Boiling Pt: 343 °C (1013 hPa)

Melting Pt: 234 to 235 °C

Storage Temperature: Ambient temperature