

SILVER CARBONATE

PL0010 Silver carbonate, EssentQ®



- Ag₂CO₃
- M = 275,75 g/mol
- CAS [534-16-7]
- EINECS-No.: 208-590-3
- Solub. in water: (20 °C): 0,032 g/l
- LD 50 (oral, rat): 3731 mg/kg
- GHS-signal word: Danger
- GHS-H sentences: H318
- GHS-P sentences: P280 - P305 + P351 + P338 - P310
- Tariff number: 2843 29 00 00
- Applications: analytical chemistry, laboratory reagent, microscopy, dye.

assay (argentometric) min. 99 %
insoluble in HNO₃ max. 0,05 %
chlorides (Cl) max. 0,005 %
nitrates (NO₃) max. 0,05 %
sulfates (SO₄) max. 0,01 %
arsenic (As) max. 1 ppm
iron (Fe) max. 0,002 %
lead (Pb) max. 0,003 %
non precipitable with HCl max. 0,5 %
loss on drying (105 °C) max. 0,2 %

ART. NO.	VOLUME	CONTAINER
PL00100025	25 g	0

SILVER CHLORIDE

PL0030 Silver chloride, EssentQ®

- AgCl
- M = 143,34 g/mol
- CAS [7783-90-6]
- EINECS-No.: 232-033-3
- Solub. in water: (25 °C): 0,00188 g/l
- Melting point: 455 °C
- Boiling point: 1554 °C
- LD 50 (oral, rat): > 5110 mg/kg
- Tariff number: 2843 29 00 00
- Applications: analytical chemistry, laboratory reagent, for reference electrodes.

assay min. 99,5 %
insoluble in NH₄OH max. 0,05 %
sulfates (SO₄) max. 0,001 %
copper (Cu) max. 2 ppm
iron (Fe) max. 5 ppm
lead (Pb) max. 5 ppm
nickel (Ni) max. 0,003 %

ART. NO.	VOLUME	CONTAINER
PL00300025	25 g	0
PL00300100	100 g	0

SILVER NITRATE

- AgNO₃
- M = 169,87 g/mol
- CAS [7761-88-8]
- EINECS-No.: 231-853-9
- Solub. in water: (20 °C): soluble
- Melting point: 212 °C
- Boiling point: 444 °C (decomposes)

- LD 50 (oral, rat): 1173 mg/kg
- EC-Index-No.: 047-001-00-2
- ADR: 5.1 O2 II UN 1493
- IMDG: 5.1 II UN 1493
- IATA/ICAO: 5.1 II UN 1493
- GHS-signal word: Danger
- GHS-H sentences: H272 - H314 - H400 - H410

- GHS-P sentences: P221 - P210 - P303 + P361 + P353 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2843 21 00 00
- Applications: analytical chemistry, laboratory reagent, titrant in volumetric analysis, photography, manufacture of dyes, antiseptic, manufacture of mirrors.
- Appearance: White crystals

PL0049 Silver nitrate, extra pure, Phampur®, Ph Eur, BP, USP



assay (argentometric) 99,0 - 100,5 %
assay (argentometric, on dried sample) 99,8 - 100,5 %
identification passes test
appearance of solution clear and colourless
acidity or alkalinity passes test
aluminium, lead, copper and bismuth passes test
foreign salts max. 0,3 %

Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
PL00490025	25 g	0
PL00490050	50 g	0
PL00490100	100 g	0
PL00490250	250 g	0
PL00491000	1 kg	0

PL0050 Silver nitrate, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur



assay (argentometric) 99,0 - 100,5 %
identity (IR-spectrum) passes test
appearance of solution clear and colourless
clarity of solution passes test
acidity or alkalinity passes test
free acid passes test
chlorides (Cl) max. 5 ppm
sulfates (SO₄) max. 0,002 %

foreign salts max. 0,3 %
aluminium, lead, copper and bismuth passes test
copper (Cu) max. 5 ppm
iron (Fe) max. 5 ppm
lead (Pb) max. 0,001 %
non precipitable with HCl (as SO₄) max. 0,01 %

ART. NO.	VOLUME	CONTAINER
PL00500025	25 g	0
PL00500050	50 g	0
PL00500100	100 g	0
PL00500250	250 g	0
PL00501000	1 kg	0

A
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C
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X
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Z