

PL0051 Silver nitrate, concentrated solution to prepare 1 l of solution 0,1 mol/l (0,1 N)



- AgNO₃
- M = 169,87 g/mol
- CAS [7761-88-8]
- EINECS-No.: 231-853-9
- Density: 1,27 g/cm³
- Solub. in water: (20 °C): miscible
- LD 50 (oral, rat): 1173 mg/kg (pure substance)
- EC-Index-No.: 047-001-00-2
- ADR: 8 C1 III UN 1760
- IMDG: 8 III UN 1760
- IATA/ICAO: 8 III UN 1760

- GHS-signal word: Danger
- GHS-H sentences: H314 - H302 - H411
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2843 21 00 00
- Applications: analytical chemistry, laboratory reagent, titrant in volumetric analysis, photography, manufacture of dyes.

amount of substance: 16,987 g AgNO₃
concentrated solution 1 mol/l ± 0,1 %

ART. NO.	VOLUME	CONTAINER
PL005100PA	u.	Ø

SILVER OXIDE

PL0060 Silver oxide, EssentQ®, Reag. Ph Eur



- Ag₂O
- M = 231,74 g/mol
- CAS [20667-12-3]
- EINECS-No.: 243-957-1
- Solub. in water: (20 °C): 0,0016 g/l
- Melting point: > 200 °C (decomposes)
- LD 50 (oral, rat): 2820 mg/kg
- ADR: 5.1 OC2 II UN 3085
- IMDG: 5.1 II UN 3085
- IATA/ICAO: 5.1 II UN 3085
- GHS-signal word: Danger
- GHS-H sentences: H272 - H314 - EUH044
- GHS-P sentences: P221 - P210 - P303 + P361 + P353 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2843 29 00 00

- Applications: analytical chemistry, laboratory reagent, oxidizing agent, synthesis of organic products, catalyst, manufacture of glass.
- Appearance: Black powder

assay (argentometric) 99 - 101 %
silver (Ag) 92,2 - 94,0 %
carbonates (CO₃) max. 0,2 %
nitrates (NO₃) max. 0,01 %
sulfates (SO₄) max. 0,005 %
copper (Cu) max. 5 ppm
iron (Fe) max. 0,003 %
lead (Pb) max. 0,001 %
sodium (Na) max. 0,01 %
loss on drying max. 0,05 %

ART. NO.	VOLUME	CONTAINER
PL00600010	10 g	Ø
PL00600025	25 g	Ø

SILVER SULFATE

- Synonyms: Sulfuric acid silver salt
- Ag₂SO₄
- M = 311,79 g/mol
- CAS [10294-26-5]
- EINECS-No.: 233-653-7
- Solub. in water: (25 °C): 8 g/l
- Melting point: 655 °C

- LD 50 (oral, rat): ~ 5000 mg/kg
- ADR: 9 M7 III
- UN 3077
- IMDG: 9 III UN 3077
- IATA/ICAO: 9 III UN 3077
- GHS-signal word: Danger
- GHS-H sentences: H318 - H410

- GHS-P sentences: P280 - P273 - P305 + P351 + P338 - P310 - P391 - P501a
- Tariff number: 2843 29 00 90
- Applications: analytical chemistry, laboratory reagent, catalyst (determining COD).

PL0070 Silver sulfate, EssentQ®



assay (argentometric) min. 99,0 %
chlorides (Cl) max. 0,001 %
nitrates (NO₃) max. 0,001 %
copper (Cu) max. 0,005 %
iron (Fe) max. 0,001 %
lead (Pb) max. 0,001 %
non precipitable with HCl (as SO₄) max. 0,3 %

ART. NO.	VOLUME	CONTAINER
PL00701000	1 kg	Ø
PL00700025	25 g	Ø
PL00700100	100 g	Ø

ART. NO.	VOLUME	CONTAINER
PL00700250	250 g	Ø

PL0071 Silver sulfate, ExpertQ®, for analysis, ACS



assay (argentometric) min. 99,5 %
identity passes test
insoluble in water and silver chloride max. 0,02 %
chlorides (Cl) max. 0,001 %
nitrates (NO₃) max. 0,001 %
copper (Cu) max. 5 ppm

iron (Fe) max. 5 ppm
lead (Pb) max. 10 ppm
nickel (Ni) max. 10 ppm
zinc (Zn) max. 5 ppm
non precipitable with HCl (as SO₄) max. 0,03 %

ART. NO.	VOLUME	CONTAINER
PL00710025	25 g	Ø
PL00710100	100 g	Ø
PL00710250	250 g	Ø