Scharlau
The wise choice

LEAD(II) NITRATE

PL0140 Lead(II) nitrate, ExpertQ®, for analysis, ACS

- $Pb(NO_3)_2$
- M = 331,21 g/mol
- CAS [10099-74-8]
- EINECS-No.: 233-245-9
- Solub. in water: (20 °C): 525 g/l
- Melting point: ~ 470 °C
- EC-Index-No.: 082-001-00-6
- ADR: 5.1 OT2 II UN 1469
- IMDG: 5.1 II UN 1469
- IATA/ICAO: 5.1 II UN 1469
- GHS-signal word: Danger
- GHS-H sentences: H302 + H332 - H360Df - H373 - H410
- GHS-P sentences: P260 - P261 - P281 - P304 + P340 - P405 - P501a
- Tariff number: 2834 29 20 00
- Applications: analytical chemistry, laboratory reagent, manufacture of dyes, in explosive compositions, photography, in the textile industry.
- Appearance: White solid

assay (complexometric) . . . . . min. 99,5 %
insoluble matter . . . . . .max. 0,005 %
chlorides (Cl) . . . . . .max. 0,0005 %
calcium (Ca) . . . . . .max. 0,005 %
copper (Cu) . . . . . .max. 0,002 %
iron (Fe) . . . . . max. 5 ppm
potassium (K) . . . . . .max. 0,005 %
sodium (Na) . . . . . .max. 0,02 %

ART. NO.	VOLUME	CONTAINER
PL01400500	500 g	P
PL01401000	1 kg	P

LEAD(II) NITRATE, VOLUMETRIC SOLUTIONS

PL0145 Lead(II) nitrate, solution 0,05 mol/l

- $Pb(NO_3)_2$
- M = 331,21 g/mol
- CAS [10099-74-8]
- EINECS-No.: 233-245-9
- EC-Index-No.: 082-001-00-6
- ADR: 6.1 T4 III UN 3287
- IMDG: 6.1 III UN 3287
- IATA/ICAO: 6.1 III UN 3287
- GHS-signal word: Danger
- GHS-H sentences: H360D - H373 - H412 - EUH201
- GHS-P sentences: P260 - P281 - P273 - P308 + P313 - P405 - P501a
- Tariff number: 2834 29 20 00
- Applications: analytical chemistry, laboratory reagent.

factor . . . . . 0,999 - 1,001
uncertainty ± 0,001
1 ml = 0,01656 g $Pb(NO_3)_2$
This volumetric solution was checked by means of potentiometric methods using an EDTA disodium salt standard solution, that was also checked against Scharlau's calcium carbonate volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

ART. NO.	VOLUME	CONTAINER
PL01451000	1 l	P

LEAD(II) OXIDE

- Synonyms: Litharge
- PbO
- M = 223,19 g/mol
- CAS [1317-36-8]
- EINECS-No.: 215-267-0
- Solub. in water: (20 °C): 0,017 g/l
- Melting point: 890 °C
- Boiling point: 1470 °C
- LD 50 (oral, rat): > 10000 mg/kg
- EC-Index-No.: 082-001-00-6
- ADR: 6.1 T5 III UN 2291
- IMDG: 6.1 III UN 2291
- IATA/ICAO: 6.1 III UN 2291
- GHS-signal word: Danger
- GHS-H sentences: H360Df - H373 - H400 - H410 - H302 - H332 - EUH201
- GHS-P sentences: P260 - P261 - P281 - P304 + P340 - P405 - P501a
- Tariff number: 2824 10 00 00
- Applications: laboratory reagent, in building materials, in the ceramics industry, painting (in porcelain industry, in the ceramics industry), pigment (in the rubber industry).

PL0150 Lead(II) oxide, EssentQ®

assay (complexometric) . . . . . 99 - 100,5 %
insoluble in diluted CH_3COOH . . . . . .max. 0,2 %
chlorides (Cl) . . . . . .max. 0,05 %
nitrates (NO_3) . . . . . .max. 0,05 %
iron (Fe) . . . . . .max. 0,005 %
copper (Cu) . . . . . .max. 0,005 %
silver (Ag) . . . . . .max. 0,005 %
loss on calcination (700 °C) . . . . . .max. 0,2 %

ART. NO.	VOLUME	CONTAINER
PL01500500	500 g	P
PL01501000	1 kg	P
PL0150005P	5 kg	P
PL0150025P	25 kg	P

PL0151 Lead(II) oxide, ExpertQ®, for analysis

assay (complexometric) . . . . . .min. 99 %
insoluble in diluted CH_3COOH . . . . . .max. 0,05 %
total nitrogen (as N) . . . . . .max. 0,001 %
chlorides (Cl) . . . . . .max. 0,005 %
bismuth (Bi) . . . . . .max. 0,005 %
copper (Cu) . . . . . .max. 0,001 %
iron (Fe) . . . . . .max. 0,002 %
silver (Ag) . . . . . max. 5 ppm
non precipitable with H_2S (as SO_4) . . . . . .max. 0,3 %
loss on calcination (700 °C) . . . . . .max. 0,2 %

ART. NO.	VOLUME	CONTAINER
PL01510250	250 g	P
PL01511000	1 kg	P