

ME0170 Mercury(II) chloride, ExpertQ®, for analysis, ACS, ISO



assay (complexometric) min. 99,5 %
 identity passes test
 appearance of solution passes test
 insoluble in water max. 0,01 %
 solution in ethyl ether passes test
 acidity or alkalinity passes test
 nitrates (NO₃) max. 0,001 %
 total nitrogen (as N) max. 0,002 %
 calcium (Ca) max. 0,001 %
 copper (Cu) max. 0,001 %

iron (Fe) max. 0,002 %
 lead (Pb) max. 0,001 %
 magnesium (Mg) max. 0,001 %
 mercury(I) chloride (Hg₂Cl₂) max. 0,05 %
 potassium (K) max. 0,005 %
 sodium (Na) max. 0,005 %
 Residue after reduction
 (calcination residue, as sulfate) max. 0,02 %
 substances reducing KMnO₄ passes test
 loss on drying (on P₂O₅) max. 1 %

ART. NO.	VOLUME	CONTAINER
ME01700100	100 g	Ⓟ
ME01700250	250 g	Ⓟ
ME01701000	1 kg	Ⓟ

MERCURY(II) IODIDE

ME0250 Mercury(II) iodide, red, ExpertQ®, for analysis, ACS



- Hg₂
- M = 454,40 g/mol
- CAS [7774-29-0]
- EINECS-No.: 231-873-8
- Solub. in water: (25 °C): 0,06 g/l
- Melting point: 259 °C
- Boiling point: 354 °C
- Vapour pressure: (60 °C) ~ 0,001 hPa
- LD 50 (oral, rat): 18 mg/kg
- EC-Index-No.: 080-002-00-6
- ADR: 6.1 T5 II UN 1638

- IMDG: 6.1 II UN 1638
- IATA/ICAO: 6.1 II UN 1638
- GHS-signal word: Danger
- GHS-H sentences: H300 - H310 - H330 - H373 - H400 - H410
- GHS-P sentences: P260 - P284 - P320 - P361 - P405 - P501a
- Tariff number: 2852 10 00 00
- Applications: analytical chemistry, laboratory reagent.

assay (iodometric, on dried sample) min. 99,0 %
 identity (IR-spectrum) passes test
 insoluble in a solution of KI passes test
 soluble mercury salts (as Hg) max. 0,05 %
 mercury (I) (as Hg) max. 0,1 %

ART. NO.	VOLUME	CONTAINER
ME02500050	50 g	Ⓟ
ME02500250	250 g	Ⓟ
ME02501000	1 kg	Ⓟ

MERCURY(I) NITRATE DIHYDRATE

ME0193 Mercury(I) nitrate dihydrate, ExpertQ®, for analysis



- Hg₂(NO₃)₂·2H₂O
- M = 561,22 g/mol
- CAS [7782-86-7]
- EINECS-No.: 638-745-4
- Solub. in water: (20 °C): 20 g/l
- Melting point: 70 °C (decomposes)
- EC-Index-No.: 080-002-00-6
- ADR: 6.1 T5 II UN 1627
- IMDG: 6.1 II UN 1627
- IATA/ICAO: 6.1 II UN 1627
- GHS-signal word: Danger
- GHS-H sentences: H300 - H310 - H330 - H373 - H400 - H410

- GHS-P sentences: P260 - P284 - P320 - P361 - P405 - P501a
- Tariff number: 2852 10 00 00
- Applications: analytical chemistry, laboratory reagent, inorganic salts.

assay (iodometric) min. 97 %
 insoluble in HNO₃ max. 0,005 %
 chlorides (Cl) max. 0,005 %
 sulfates (SO₄) max. 0,005 %
 iron (Fe) max. 0,001 %
 other heavy metals (as Pb) max. 0,002 %
 mercury(II) (as Hg) max. 0,5 %
 Residue after reduction
 (calcination residue, as sulfate) max. 0,01 %

ART. NO.	VOLUME	CONTAINER
ME01930100	100 g	Ⓟ

MERCURY(II) NITRATE MONOHYDRATE

ME0195 Mercury(II) nitrate monohydrate, ExpertQ®, for analysis, Reag. Ph Eur



- Synonyms: Mercuric nitrate, Mercury pernitrate
- Hg(NO₃)₂·H₂O
- M = 342,62 g/mol
- CAS [7783-34-8]
- EINECS-No.: 233-152-3
- Solub. in water: (20 °C): hydrolysis reaction
- Melting point: 79 °C (anhydrous substance)
- LD 50 (oral, rat): 26 mg/l (anhydrous substance)
- EC-Index-No.: 080-002-00-6
- ADR: 6.1 T5 II UN 1625
- IMDG: 6.1 II UN 1625
- IATA/ICAO: 6.1 II UN 1625
- GHS-signal word: Danger

- GHS-H sentences: H300 - H310 - H330 - H373 - H400 - H410
- GHS-P sentences: P260 - P284 - P320 - P361 - P405 - P501a
- Tariff number: 2852 10 00 00
- Applications: analytical chemistry, laboratory reagent, in pesticide compositions.

assay (complexometric) min. 99 %
 chlorides (Cl) max. 0,002 %
 sulfates (SO₄) max. 0,002 %
 copper (Cu) max. 5 ppm
 iron (Fe) max. 0,001 %
 potassium (K) max. 0,005 %
 sodium (Na) max. 0,005 %
 residue after reduction max. 0,01 %

ART. NO.	VOLUME	CONTAINER
ME01950100	100 g	Ⓟ
ME01950250	250 g	Ⓟ