

LITHIUM CARBONATE

LI0100 Lithium carbonate, ExpertQ®, for analysis, ACS, Reag. Ph Eur



- Li_2CO_3
- $M = 73,89 \text{ g/mol}$
- CAS [554-13-2]
- EINECS-No.: 209-062-5
- Solub. in water: (20 °C): 13 g/l
- Melting point: 720 °C
- LD 50 (oral, rat): 525 mg/kg
- GHS-signal word: Warning
- GHS-H sentences: H302 - H319
- GHS-P sentences: P280 - P264 - P270 - P305 + P351 + P338 - P337 + P313 - P501a
- Tariff number: 2836 91 00 90
- Applications: analytical chemistry, in the production of enamels (in porcelain industry, in the electronic industry), for pharmaceutical use.

assay (acidimetric) min. 99,0 %
 insoluble in diluted HCl max. 0,01 %
 chlorides (Cl) max. 0,005 %
 nitrates (NO_3) max. 0,0005 %
 calcium (Ca) max. 0,005 %
 heavy metals max. 0,001 %
 iron (Fe) max. 0,001 %
 magnesium (Mg) max. 0,001 %
 potassium (K) max. 0,005 %
 sodium (Na) max. 0,005 %
 sulphur compounds (as SO_2) max. 0,2 %

ART. NO.	VOLUME	CONTAINER
LI01000250	250 g	
LI01000500	500 g	

LITHIUM CHLORIDE

- LiCl
- $M = 42,39 \text{ g/mol}$
- CAS [7447-41-8]
- EINECS-No.: 231-212-3
- Solub. in water: (20 °C): 832 g/l
- Melting point: 614 °C

- Boiling point: 1360 °C
- Vapour pressure: (547 °C) 1,33 hPa
- LD 50 (oral, rat): 526 mg/kg
- GHS-signal word: Warning
- GHS-H sentences: H302 - H315 - H319

- GHS-P sentences: P280 - P305 + P351 + P338 - P321 - P362 - P332 + P313 - P501a
- Tariff number: 2827 39 80 90
- Applications: analytical chemistry, in explosive compositions, in solders, for pharmaceutical use, laboratory reagent.

LI0110 Lithium chloride, EssentQ®



assay (argentometric) min. 98 %
 insoluble in water max. 0,05 %
 nitrogen compounds (as N) max. 0,005 %
 phosphates (as PO_4) max. 0,003 %
 sulfates (SO_4) max. 0,05 %
 calcium (Ca) max. 0,01 %
 copper (Cu) max. 0,002 %

heavy metals (as Pb) max. 0,001 %
 iron (Fe) max. 0,002 %
 lead (Pb) max. 0,002 %
 nickel (Ni) max. 0,002 %
 potassium (K) max. 0,01 %
 sodium (Na) max. 0,2 %

ART. NO.	VOLUME	CONTAINER
LI01100100	100 g	
LI01100250	250 g	
LI01100500	500 g	
LI0110025P	25 kg	

LI0112 Lithium chloride, molecular biology grade



assay (argentometric) min. 99 %
 heavy metals (as Pb) max. 5 ppm
 iron (Fe) max. 5 ppm
 magnesium (Mg) max. 0,005 %

DNases, RNases, Proteases non detected

ART. NO.	VOLUME	CONTAINER
LI01120250	250 g	
LI0112005P	5 kg	

LITHIUM HYDROXIDE MONOHYDRATE

- $\text{LiOH} \cdot \text{H}_2\text{O}$
- $M = 41,96 \text{ g/mol}$
- CAS [1310-66-3]
- EINECS-No.: 215-183-4
- Solub. in water: (20 °C): 124 g/l
- Melting point: 462 °C

- Boiling point: 924 °C (decomposes)
- ADR: 8 C6 II UN 2680
- IMDG: 8 II UN 2680
- IATA/ICAO: 8 II UN 2680
- GHS-signal word: Danger
- GHS-H sentences: H314

- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2825 20 00 00
- Applications: analytical chemistry, laboratory reagent, for determination of: aminoacids.

LI0140 Lithium hydroxide monohydrate, EssentQ®



assay (acidimetric, LiOH) min. 56 %
 identity (IR-spectrum) passes test
 heavy metals (as Pb) max. 0,002 %
 iron (Fe) max. 0,002 %

ART. NO.	VOLUME	CONTAINER
LI01400500	500 g	

ART. NO.	VOLUME	CONTAINER
LI01401000	1 kg	

LI0141 Lithium hydroxide monohydrate, ExpertQ®, for analysis, ACS, Reag. Ph Eur



assay (acidimetric) min. 98,0 %
 identity (IR-spectrum) passes test
 assay of Li_2CO_3 max. 2,0 %
 insoluble in water max. 0,01 %

chlorides (Cl) max. 0,01 %
 sulfates (SO_4) max. 0,05 %
 heavy metals max. 0,002 %
 iron (Fe) max. 0,002 %

ART. NO.	VOLUME	CONTAINER
LI01410250	250 g	