

## LANTHANUM(III) NITRATE HEXAHYDRATE

LA0100 Lanthanum(III) nitrate hexahydrate, ExpertQ®, for analysis



- $\text{La}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$
- M = 433,02 g/mol
- CAS [10277-43-7]
- EINECS-No.: 233-238-0
- Solub. in water: (20 °C): soluble
- Melting point: 40 °C
- Boiling point: 126 °C (decomposes)
- ADR: 5.1 O2 II UN 1477
- IMDG: 5.1 II UN 1477
- IATA/ICAO: 5.1 II UN 1477
- GHS-signal word: Danger
- GHS-H sentences: H272 - H318
- GHS-P sentences: P221 - P210 - P220 - P280 - P305 + P351 + P338 - P501a
- Tariff number: 2846 90 00 00
- Applications: analytical chemistry, for biology, catalyst, in the electronic industry, stain for electron

microscopy, manufacture of glass, in the ceramics industry.

- Appearance: White crystals

assay (complexometric) . . . . . min. 99 %  
 insoluble in water . . . . . max. 0,005 %  
 chlorides (Cl) . . . . . max. 0,005 %  
 sulfates ( $\text{SO}_4$ ) . . . . . max. 0,005 %  
 calcium (Ca) . . . . . max. 0,005 %  
 cerium (Ce) . . . . . max. 0,03 %  
 heavy metals (as Pb) . . . . . max. 0,002 %  
 iron (Fe) . . . . . max. 0,002 %  
 magnesium (Mg) . . . . . max. 0,002 %  
 neodymium (Nd) . . . . . max. 0,02 %  
 praseodymium (Pr) . . . . . max. 0,02 %  
 sodium (Na) . . . . . max. 0,001 %

ART. NO.	VOLUME	CONTAINER
LA01000100	100 g	
LA01000250	250 g	

## LANTHANUM(III) OXIDE

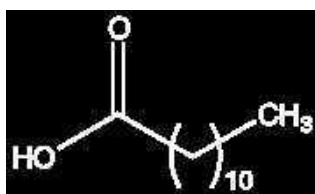
LA0110 Lanthanum(III) oxide, EssentQ®

- $\text{La}_2\text{O}_3$
- M = 325,81 g/mol
- CAS [1312-81-8]
- EINECS-No.: 215-200-5
- Solub. in water: (20 °C): insoluble
- Melting point: 2315 °C
- Tariff number: 2846 90 00 00
- Applications: for spectroscopy, in the electronic industry, manufacture of glass, in the ceramics industry.

assay (complexometric) . . . . . min. 98 %  
 insoluble in  $\text{HNO}_3$  . . . . . max. 0,01 %  
 chlorides (Cl) . . . . . max. 0,01 %  
 copper (Cu) . . . . . max. 0,005 %  
 lead (Pb) . . . . . max. 0,005 %  
 nickel (Ni) . . . . . max. 0,005 %  
 iron (Fe) . . . . . max. 0,005 %

ART. NO.	VOLUME	CONTAINER
LA01100100	100 g	
LA01100250	250 g	

## LAURIC ACID



- Synonyms: Dodecanoic acid
- $\text{C}_{12}\text{H}_{24}\text{O}_2$
- M = 200,32 g/mol
- CAS [143-07-7]
- EINECS-No.: 205-582-1
- Solub. in water: (20 °C): insoluble
- Melting point: 42 - 45 °C
- Boiling point: (1,3 hPa) 131 °C
- Flash pt. 110 °C

- Vapour pressure: (20 °C) < 0,01 hPa
- LD 50 (oral, rat): 12000 mg/kg
- GHS-signal word: Warning
- GHS-H sentences: H319
- GHS-P sentences: P280 - P264 - P305 + P351 + P338 - P337 + P313
- Tariff number: 2915 90 10 00
- Applications: synthesis of organic products, in food industry, for pharmaceutical use.

AC1392 Lauric acid, EssentQ®



assay (G.C., as methyl ester) . . . . . min. 99 %  
 identity (IR-spectrum) . . . . . passes test  
 residue on ignition . . . . . max. 0,05 %

ART. NO.	VOLUME	CONTAINER
AC13921000	1 kg	

ART. NO.	VOLUME	CONTAINER
AC1392005P	5 kg	

AC1395 Lauric acid, EssentQ®, Reag. Ph Eur



assay (G.C.) . . . . . min. 99 %  
 identity (IR-spectrum) . . . . . passes test  
 melting range . . . . . 43 - 45 °C  
 iodine index . . . . . max. 0,5

saponifiable compounds . . . . . max. 0,5 %  
 heavy metals (as Pb) . . . . . max. 0,001 %  
 iron (Fe) . . . . . max. 1 ppm  
 residue on ignition . . . . . max. 0,01 %

ART. NO.	VOLUME	CONTAINER
AC13950100	100 g	