

TECHNICAL DATA SHEET

Date of Issue: 2025/02/18

Lithium Carbonate, pharmaceutical grade (EUP)

CAS-No.	554-13-2
EC-No.	209-062-5
REACH No.	01-2119516034-53-0000 01-2119516034-53-0002 01-2119516034-53-0003
Molecular formula	Li ₂ CO ₃
Product number	10001337, 10001338, 10001339

APPLICATION Pharmaceuticals production of high purity lithium chemicals.

SPECIFICATION

Li ₂ CO ₃	min. 99.1 %
Na	max. 0.01 %
K	max. 0.005 %
Ca	max. 0.02 %
Mg	max. 0.003 %
Fe	max. 0.002 %
SO ₄	max. 0.02 %
Cl	max. 0.005 %
H ₂ O (200 °C)	max. 0.1 %
As	max. 0.0002 %

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation and its subsidiaries and affiliates. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patent.

Technical data sheets may change frequently. You can download the latest version from our website www.albemarle.com.

Please contact us at www.albemarle.com/contact with questions.



Product number: 10001337

Date of Issue: 2025/02/18

Heavy Metals (as Pb)	max. 0.002 %
----------------------	--------------

Insolubles	max. 0.005 %
------------	--------------

PHYSICAL PROPERTIES

Appearance	fine powder granular
------------	----------------------

Color	colorless
-------	-----------

Melting point/range	722 °C at 1,013 hPa Method: OECD Test Guideline 102
---------------------	---

Boiling point/boiling range	ca. 1,310 °C
-----------------------------	--------------

Density	2.11 g/cm ³ at 20 °C
---------	---------------------------------

Bulk density	430 - 950 kg/m ³
--------------	-----------------------------

Water solubility	8.4 g/l at 20 °C Method: OECD Test Guideline 105
------------------	--

Molecular weight	73.89 g/mol
------------------	-------------

Screen Analysis

95 % < 0.1 mm

HANDLING & STORAGE

Handling	No special precautions necessary.
----------	-----------------------------------

TRANSPORT & PACKAGING

ADR

Not regulated as a dangerous good

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation and its subsidiaries and affiliates. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patent.

Product number: 10001337
Date of Issue: 2025/02/18

Hazard pictograms



Signal Word

Warning

H&P Phrases

See Safety Data Sheet

Labelling

The labelling is according to EU-GHS classification ((EG) 1272/2008) and may vary in other countries. Please refer to the respective Safety Data Sheet for your country.

Packaging

50 kg poly bags in clamping ring drums. Smaller units possible upon request.

OTHER INFORMATION

Further Related Documents

Safety Data Sheet

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation and its subsidiaries and affiliates. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patent.

Technical data sheets may change frequently. You can download the latest version from our website www.albemarle.com.

Please contact us at www.albemarle.com/contact with questions.