

TECHNICAL DATA SHEET

Date of Issue: 2025/02/18

Lithium Bromide anhydrous (Origin US)

CAS-No.	7550-35-8
EC-No.	231-439-8
REACH No.	01-2119970708-24-0001 01-2119970708-24-0002
Molecular formula	LiBr
Product number	10000053, 10000054

APPLICATION Manufacture of pharmaceuticals. Swelling agent for proteins. Auxiliary product for the alkylation of weak amines. Lithium bromide is also available as a 53% - 55% aqueous solution.

SPECIFICATION

LiBr	min. 99.5%
Na	max. 0.03%
K	max. 0.03 %
Ca	max. 0.005 %
Mg	max. 0.001 %
Ba	max. 0.002 %
Fe	max. 0.001 %
Cu	max. 0.0003 %
SO4	max. 0.01 %
Cl	max. 0.15 %

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H ₂ O (400 °C)	max. 0.3 %
Insolubles in water	max. 0.005%
pH (4% solution)	8.5 - 9.5
Alkalinity as Li ₂ CO ₃	max. 0.04 %

PHYSICAL PROPERTIES

Appearance	crystalline
Color	colorless
Melting point/range	547 °C
Viscosity, dynamic	(No data available)
Viscosity, kinematic	(No data available)
Flash point	(No data available)
Boiling point/boiling range	1,265 °C
Density	3.46 g/cm ³ at 20 °C
Bulk density	1,800 kg/m ³
Water solubility	1,490 g/l at 20 °C 1,910 g/l at 50 °C 2,320 g/l at 100 °C
Molecular weight	86.85 g/mol

HANDLING & STORAGE

Handling	Avoid contact with skin. Causes irritation. In case of contamination rinse with water.
Storage	Lithium bromide is very hygroscopic and should therefore be stored under exclusion of humidity.

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TRANSPORT & PACKAGING

ADR

Not regulated as a dangerous good

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 PE bag in steel drum.

OTHER INFORMATION

Further Related Documents

Safety Data Sheet

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