Lith™

LITHIUM BROMIDE ANHYDROUS

CAS Number: 7550-35-8
Chemical Formula: LiBr

PRODUCT DESCRIPTION

Lithium Bromide Anhydrous is a highly hygroscopic, fine white powder used in industrial absorption, refrigeration and chemical processing applications. Its strong moisture-absorbing properties make it suitable for use as a desiccant in air-conditioning and gas-drying systems. It is also used in specialised chemical synthesis and industrial processes requiring an anhydrous lithium salt.

KEY FEATURES

- Minimum 99.0% lithium bromide content
- Fine white powder
- Highly hygroscopic with strong moisture absorption properties
- Suitable for absorption-based cooling and drying systems
- Low levels of specified inorganic impurities
- Used in industrial and specialty chemical applications

APPLICATIONS

- Absorption air-conditioning and refrigeration systems
- Industrial air and gas drying
- Desiccant applications in chemical processing
- Battery production
- Coolant applications in nuclear power plants
- Organic synthesis and chemical processing

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Specialty Chemical Experts

LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

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PRODUCT SPECIFICATIONS

PARAMETER	TYPICAL VALUE
Appearance	Fine white powder
Lithium Bromide (LiBr), wt.%	≥99.0
Water (H_2O), wt.%	≤0.5
Chloride (Cl), wt.%	0.15
Sulfate (SO_4), wt.%	0.06
Calcium (Ca), wt.%	0.01
Magnesium (Mg), wt.%	0.005
Iron (Fe), wt.%	0.001
Sodium (Na), wt.%	0.13
Potassium (K), wt.%	0.04
Acid Insolubles, wt.%	0.01

PACKAGING

Available in 25 kg and 50 kg polyethylene-lined HDPE bags or drums. Alternative packaging options may be available upon request.

STORAGE & HANDLING

Store in original, tightly sealed packaging in a cool, dry, well-ventilated area. Protect from humidity and moisture exposure, as lithium bromide is highly hygroscopic. Keep containers closed when not in use and store away from strong acids. Avoid contact with skin, eyes and clothing.

SAFETY

The product may cause serious eye damage and irritation to the skin and respiratory tract. Avoid inhalation of dust and direct contact with skin and eyes. Wear appropriate personal protective equipment, including chemical-resistant gloves, safety glasses and protective clothing.

Refer to the current Safety Data Sheet (SDS) for detailed information on hazards, safe handling, storage and disposal.