

## Lithium chloride, 99%

Cat. No.: HY-Y0649  
CAS No.: 7447-41-8  
Batch No.: 438870  
Chemical Name: Lithium chloride (LiCl)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: CLi  
Molecular Weight: 42.39  
Storage: 4°C, sealed storage, away from moisture  
\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### Chemical Structure:



### ANALYTICAL DATA

	Specification	Result
Appearance:	White to off-white (Solid)	White (Powder)
Assay, $\omega/\%$ :	$\geq 99.3$	qualified
Hydrochloric Acid Insoluble Substance, $\omega/\%$ :	$\leq 0.003$	qualified
Potassium(K), $\omega/\%$ :	$\leq 0.001$	qualified
Sodium(Na), $\omega/\%$ :	$\leq 0.003$	qualified
Moisture, $\omega/\%$ :	$\leq 0.40$	qualified
Magnesium Chloride(MgCl <sub>2</sub> ), $\omega/\%$ :	$\leq 0.0024$	qualified
Iron Oxide(Fe <sub>2</sub> O <sub>3</sub> ), $\omega/\%$ :	$\leq 0.0015$	<0.001
Sulfate(SO <sub>4</sub> ), $\omega/\%$ :	$\leq 0.002$	<0.002
Calcium chloride (CaCl <sub>2</sub> ), $\omega/\%$ :	$\leq 0.01$	<0.01
Conclusion:	The product has been tested and complies with the given specifications.	

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA