

Lithium-7 (${}^7\text{LiOH}\cdot\text{H}_2\text{O}$)



Lithium-7 as Hydroxide Monohydrate (${}^7\text{LiOH}\cdot\text{H}_2\text{O}$)

REFERENCE SPECIFICATIONS	
Atom fraction of Lithium-7 in the total sum of lithium isotopes (%)	99.9 min
Mass fraction of lithium hydroxide (%)	52 min; 58 max
Water fraction of total mass (%)	42 min; 48 max
Mass fraction of impurities (PPM)	
Lead	≤10
Zinc	≤5
Mercury	≤0.5
Chloride	≤500
Sulfates	≤250
Sodium	≤30
Fluoride	≤100
Iron	≤10
Visual appearance	Loose powder of white-to-pale-yellow color
Packing of one or more lots per shipment is permitted.	



Lithium-7 as Hydroxide Monohydrate (${}^7\text{LiOH}\cdot\text{H}_2\text{O}$) is mainly used in the nuclear power industry as an alkalizing additive to the coolant of the primary circuit of PWR-reactors to adjust water-chemistry pH. It is also used as the main component in ion-exchange membranes in water treatment applications.

ISOFLEX is a primary supplier of ${}^7\text{LiOH}\cdot\text{H}_2\text{O}$. Please contact us with your detailed requirements.