

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



REFERENCE SPECIFICATIONS	
Atomic fraction of Lithium-7 in the total sum of lithium isotopes, %	99.95 min.
Mass fraction of Lithium hydroxide, %	55 min; 58 max
Water fraction of total mass, %	42 min; 45 max
Mass fraction of impurities, %	
Lead	0.001 max
Zinc	0.0005 max
Mercury	0.00005 max
Chloride	0.05 max
Sulfates	0.01 max
Sodium	0.002 max
Fluoride	0.01 max
Iron	0.001 max
Visual appearance	Loose powder of light grey, or white to pale yellow color; with no dark inclusions

Packing of more than one lot 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 USA is a global distributor of stable isotopes and selected radio-isotopes. The Company is a major supplier of depleted zinc in Depleted Zinc Oxide (DZO) and Depleted Zinc Acetate (DZA) forms, as well as Lithium-7, as Lithium Hydroxide Monohydrate (${}^7\text{LiOH}\cdot\text{H}_2\text{O}$) to the nuclear power industry. ISOFLEX USA's Lithium-7 Hydroxide Monohydrate is certified in accordance with ISO 9001:2000.

ISOFLEX USA is based in San Francisco, California.



1-415-440-4433 | USA & Canada Toll Free 1-888-399-4433 | Fax 1-415-563-4433
PO Box 29475 | San Francisco, CA 94129 USA | isoflex.com