

Product Name: Lithium Hydroxide Monohydrate Pure

Product Code: 4485

Specification Ref: 4485DS06

CAS: 1310-66-3

EC: 215-183-4

Formula: LiOH.H₂O

Physical: White crystals

Chemical:	Typical (wt%)	Guaranteed (wt%)
Lithium Hydroxide (LiOH)	57.6	56.5 min
Lithium Carbonate (Li ₂ CO ₃)	0.18	0.35 max
Chloride (Cl)	0.001	0.01 max
Sulphate (SO ₄)	0.005	0.01 max
Aluminium (Al)	0.0002	0.002 max
Calcium (Ca)	0.0005	0.005 max
Chromium (Cr)	<0.0001	0.0005 max
Copper (Cu)	<0.0001	0.0005 max
Iron (Fe)	<0.0001	0.0005 max
Potassium (K)	0.0005	0.005 max
Magnesium (Mg)	<0.0001	0.0005 max
Sodium (Na)	0.001	0.005 max
Lead (Pb)	<0.0001	0.001 max
Zinc (Zn)	<0.0001	0.0005 max
Insolubles	0.002	0.005 max

Physical Properties:

Typical bulk density g/cm ³	0.9
Molecular Weight	41.96
Water Solubility @ 20°C wt %	10.9

Packaging: Standard packs available: 25kg sacks on pallets / 25kg polylined fibre drums. Other packs available on request.

Hazards: Lithium Hydroxide is corrosive in solid and solution. It causes burns in contact with eyes, skin or ingestion. Irritates the respiratory system, may cause coughing. On contact with eyes, flush with copious amounts of water and consult a doctor immediately. Please request the MSDS for this product.

Handling and Storage: It is recommended that lithium hydroxide is stored in a bunded area so that spillages are contained. Store away from acids, aluminium, zinc etc. Avoid generating lithium hydroxide dust or vapour. If this is unavoidable, use local exhaust ventilation.