

# Technical Data Sheet

56.5% LITHIUM HYDROXIDE MONOHYDRATE (Industrial Grade)
Formula: $\text{LiOH} \cdot \text{H}_2\text{O}$
Formula weight: 41.96
CAS NO.: 1310-66-3
Physical-chemical properties: White small monoclinic crystal, spicy, strong alkaline, easy to absorb carbon dioxide and water in the air, soluble in water, slightly soluble in alcohol, density $2.41\text{g/cm}^3$ , melting point $471^\circ\text{C}$ ( $879.8^\circ\text{F}$ ).
Appearance: white crystal grain, free-flowing, no solid impurities from processing machines.
Quality Standard: GB/T 8766-2013

Component		LITHIUM HYDROXIDE MONOHYDRATE
LiOH Content (Min%)		56.5
Impurity Content (Max%)	Na+K	0.02
	Ca	0.025
	Fe	0.0015
	$\text{SO}_4^{2-}$	0.02
	$\text{CO}_3^{2-}$	0.7
	$\text{Cl}^-$	0.0015
	Insoluble matters in HCl	0.005
	Insoluble matters in water	0.01
Packing: By woven bag with vacuum sealed plastic bag, 25kg/bag. By jumbo bag with vacuum sealed double layered PP bag, 500kg/bag.		