

Technical Data Sheet

LITHIUM HYDROXIDE MONOHYDRATE (Battery 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 2.41g/cm^3 , melting point 471°C (879.8°F).
Appearance: white crystal grain, free-flowing, no solid impurities from processing machines.
Quality Standard: GB/T 26008-2010

Component		LITHIUM HYDROXIDE MONOHYDRATE
LiOH·H ₂ O Content (Min%)		99.8% (LiOH 56.5%Min)
Impurity content (Max%)	Na	0.005
	K	0.005
	Ca	0.008
	Fe	0.0008
	Cu	----
	Mg	----
	Mn	----
	Si	----
	Cl ⁻	0.002
	SO ₄ ²⁻	0.01
	CO ₃ ²⁻	1.0
	Insoluble matters in HCl	0.005
	Insoluble matter 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.		