

Technical Data Sheet

LITHIUM HYDROXIDE MONOHYDRATE (Battery Grade)
Formula: LiOH·H ₂ 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, no mottling, no agglomeration, no inclusions.
Quality Standard: Q/TJTE 2-2007

Name		LITHIUM HYDROXIDE MONOHYDRATE (Battery Grade)
LiOH·H ₂ O Content (Min%)		96.0 / 99.0 / 99.5
Impurity content (Max%)	(Na)	0.05 / 0.003
	(K)	0.01 / 0.003
	(Ca)	0.01 / 0.005
	(Fe)	0.005 / 0.0008
	(Cl)	0.005 / 0.002
	(SO ₄)	0.05 / 0.01
	(CO ₃)	1.0
	Transparency	90
	Hydrochloric acid Insolubles	0.005
Packing: By double-layer plastic bag vacuum heat shrinkable sealing, 3kg/bag, 18kg/carton. By woven bag with vacuum sealed plastic bag, 25kg/bag. By paper drum with vacuum sealed plastic bags, 30kg/drum.		