

# Technical Data Sheet

96% LITHIUM HYDROXIDE MONOHYDRATE (High Purity)
Formula: LiOH·H <sub>2</sub> 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 <sup>3</sup> , melting point 471°C (879.8°F).
Appearance: white crystal grain, no mottling, no agglomeration, no inclusions.
Quality Standard: Q/TJTE 27-2007

Name		LITHIUM HYDROXIDE MONOHYDRATE (High Purity)
LiOH·H <sub>2</sub> O Content (Min%)		96.0
Impurity Content (Max%)	( Na )	0.001
	( K )	0.001
	( Ca )	0.001
	( Mg )	0.0005
	( Fe )	0.0005
	( Al )	0.0005
	( Cu )	0.001
	( Pb )	0.005
	( Ni )	0.0005
	( Si )	0.005
	( Cl )	0.001
	( SO <sub>4</sub> )	0.002
	( CO <sub>2</sub> )	0.35
	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, 40kg/drum.