



Chem-Metals & Rare Earth

■ Lithium Hydroxide Monohydrate



Lithium Hydroxide Monohydrate (High Purity, Battery and Technical grade) , (LiOH.H₂O) 56.5%, is mainly used as the key material for producing lithium based grease, and also finds other applications in breathing gas purification system and the manufacture

of electrodes, ceramics, portland cement and lithium ion battery etc.

Formula	LiOH.H ₂ O
Appearance	White Powder
Molecular weight	41.96
Density	1.51 g/cm ³
Melting Point	462 °C
CAS No.	1310-66-3

No.	Item	Standard Specification			
		High Purity	Battery	Technical	
1	Grade	High Purity	Battery	Technical	
2	LiOH.H ₂ O ≥	56.5%	56.5%	56.5%	
3	Impurity PCT Max each	CO ₂	0.35	0.35	0.35
		Na+K	0.003	0.05	0.2
		SO ₄ ²⁻	0.01	0.03	0.03
		Fe	0.0008	0.003	0.003
		Ca	0.005	0.01	0.035
		Cl ⁻	0.002	0.01	0.04
		Pb	0.0005	0.01	-
		Cr ⁶⁺	0.001	0.01	-
	Hg/Cd	0.0005	0.0005	-	
4	Size	2-5μm 100-200μm			
5	Packing	Woven bag with double plastic bags inside, 25kgs net			