

Technical Data Sheet

LITHIUM DIHYDROGEN PHOSPHATE (Battery Grade)
Formula: LiH_2PO_4
Formula weight: 103.93
CAS NO.: 13453-80-0
Physical-chemical properties: colorless transparent crystal, heat decomposition, soluble in water, density 2.46g/cm^3 (at temperature $25\text{ }^\circ\text{C}$)
Application: Raw material for lithium iron phosphate (LiFePO_4) battery.
Quality standard: Q/TJTE 18-2007

Chemical Composition		Lithium Dihydrogen Phosphate
LiH_2PO_4 Purity (Min%)		99.90%
	Li (%)	6.55~6.85
	P (%)	29.5~30.1
	Li/P	0.97~1.03
	pH	4.1~4.5
Impurity	Magnetic Impurities (ppb)	500 Max
	Metal (granules/kg)	60 Max
	Copper (granules/200g)	1 Max
Impurity Content (Max ppm)	SO_4^{2-}	500
	Cl^-	100
	Na^+	100
	K^+	30
	Ca	50
	Mg	50
	Al	50
	S	167
	Ni	20
	Cr	20
	Cu	10
	Zn	20
	Mn	50
	B	50
	Co	30
	H_2O (ppm)	3500 Max
Packing: By woven bag with vacuum sealed plastic bag, 25kg/bag.		