

# Technical Data Sheet

LITHIUM DIHYDROGEN PHOSPHATE (Battery Grade)
Formula: $\text{LiH}_2\text{PO}_4$
Formula weight: 103.93
CAS NO.: 13483-80-0
Physical-chemical properties: colorless transparent crystal, heat decomposition, soluble in water, density $2.46\text{g/cm}^3$ (at temperature $25\text{ }^\circ\text{C}$ )
Application: Raw material for lithium iron phosphate ( $\text{LiFePO}_4$ ) battery.
Quality standard: Q/TJTE 18-2007

Name		Lithium Dihydrogen Phosphate	
LiH <sub>2</sub> PO <sub>4</sub> Content (Min%)		99.0	99.9
Impurity Content (Max%)	Sodium ( Na )	0.005	0.002
	Calcium ( Ca )	0.005	0.005
	Iron ( Fe )	0.003	0.001
	Lead ( Pb )	0.005	0.002
	Chlorine ( Cl )	0.005	0.001
	Potassium ( K )	---	0.001
	Sulfate ( SO <sub>4</sub> )	---	0.002
Packing: By woven bag with vacuum sealed plastic bag, 25kg/bag. By paper drum with vacuum sealed plastic bags, 40kg/drum.			