

Anhydrous Iron Phosphate for Battery Materials

Low Temperature Type

Item		Standard Value	Typical Value
Fe	%	35.9-36.6	36.32
P	%	20.6-20.9	20.65
Fe/P		0.967-0.980	0.975
Ca	≤ ppm	20	3
Mg	≤ ppm	20	1
Na	≤ ppm	30	5
K	≤ ppm	30	8
Cu	≤ ppm	5	ND
Zn	≤ ppm	10	4
Mn	≤ ppm	20	1
Al	≤ ppm	50	5
Ti	≤ ppm	20	5
Co	≤ ppm	5	1
Pb	≤ ppm	10	4
Cr	≤ ppm	15	7
Ni	≤ ppm	10	ND
S	≤ ppm	300	141
Magnetic impurity	≤ ppm	1	0.4
Moisture	≤ %	0.6	0.36
Tap Density	≥ g/m ³	0.6	0.91
Particle Size Distribution	(D50) ≤ μm	15	10.53
	(D99) ≤ μm	80	57.46
Specific Surface Area(BET)	m ² /g	7.5~12	8.25
pH(10% solution)		2.8-3.3	3.08

The product is made through ammonium process, with low impurity metals and high purity. The production line is strictly built and managed under the standard of ISO/TS16949, which is the highest standard in automobile industry, to make sure the high stability and the extraordinary performance of the product. The primary particle size of the product is around 80~100 nm. This type of FP can be applied in the production of power type LFP, for the LFP made from it has excellent low temperature performance.

Product Morphology

