



# HEBEI YANXI CHEMICAL CO., LTD

## CERTIFICATE OF ANALYSIS

Product Name	LiPF <sub>6</sub>	Lot No.	YX230814003
CAS No.	21324-40-3	Date manufactured	2023-08-14
Shelf life	month	Examination date	2023-08-15

Analysis tests	Detection method	Test standards	Test results
Appearance	-	White powder	White powder
package	-	Clean and unbroken	complies
Purity	Decrement method	≥99.95%	>99.95
Water	Coulometry	≤20 ppm	7.0
(HF) Free acid	acid-base titration	≤90 ppm	52
Barrel pressure	gas-pressure meter	0.01-0.08Mpa	0.01-0.08Mpa
DMC Insoluble matter	Weighing of insoluble matter	≤200 ppm	87

Fe	ICP	≤2.0 ppm	0.40
K	ICP	≤1.0 ppm	<0.01
Na	ICP	≤1.0 ppm	0.43
Ca	ICP	≤1.0 ppm	0.11
Cd	ICP	≤1.0 ppm	0.033
Cr	ICP	≤1.0 ppm	<0.01
Cu	ICP	≤1.0 ppm	<0.01
Mg	ICP	≤1.0 ppm	<0.01
Ni	ICP	≤1.0 ppm	0.25
Pb	ICP	≤1.0 ppm	<0.01
Zn	ICP	≤1.0 ppm	<0.01



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As	ICP	$\leq 1.0$ ppm	0.033
SO <sub>4</sub> <sup>2-</sup>	ion chromatography	$\leq 5.0$ ppm	<2
Cl <sup>-</sup>	ion chromatography	$\leq 2.0$ ppm	<1
Conclusion	The inspection results meet the quality standard		

Chief of: Wang

Reporter: Xing