

Monitoring Report

一、General information of Monitoring

Sample number	20240928-01	Sample name	Polyaluminum chloride
Sampling date	2024-09-28	Sample taker	Zhu Xiaohui
Sampling mode	Random	Sample status and characteristics	White powder
主要检测仪器	Atomic absorption spectrophotometer, 751 spectrophotometer, etc.		

二、Testing Result

Indicator name	Index	
	national standard	Company standard
Mass fraction of alumina (Al ₂ O ₃) /% ≥	29	30
Basicity /%	40-90	80-85
Density (20 °C) / (g / cm ³) ≥	1.12	--
Mass fraction of insoluble matter /% ≤	0.6	0.1
PH value (10g / L aqueous solution)	3.5-5.0	4.0-4.3
Mass fraction of arsenic (as) /% ≤	0.0002	0.0001
Mass fraction of lead (PB) /% ≤	0.001	0.001
Mass fraction of cadmium (CD) /% ≤	0.0002	0.0001
Mass fraction of mercury (Hg) /% ≤	0.0001	0.0001
Mass fraction of hexavalent chromium (Cr ₆ +) /% ≤	0.0005	0.0002

Note: the indexes of as, Pb, CD, Hg and Cr₆ + insoluble substances listed in the liquid products in the table are calculated as 10% of Al₂O₃. When the content of Al₂O₃ is < 10%, the impurity indexes shall be calculated as 10% of i₂o₃ products.

