



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-202925
Lot Number: SAMPLE
Product Name: Aluminum chloride hexahydrate
CAS Number: 7784-13-6
Molecular Formula: $\text{AlCl}_3 \cdot 6\text{H}_2\text{O}$
Molecular Weight: 241.43

Test	Specification	Result
Appearance	White to off white solid	White solid
Purity	$\geq 99.0\%$	99.6%
Solubility	Soluble in water, 100% ethanol, ether, glycerol or propylene glycol	Complies
Alkali and Alkaline Metal Test	$\leq 0.6\%$	$< 0.5\%$
Heavy Metals	$\leq 0.002\%$	$< 0.001\%$
Ammonium	$\leq 0.02\%$	$< 0.01\%$
Arsenic	$\leq 0.0005\%$	$< 0.0004\%$
Calcium	$\leq 0.03\%$	$< 0.02\%$
Iron	$\leq 0.002\%$	$< 0.001\%$
Magnesium	$\leq 0.02\%$	$< 0.01\%$
Potassium	$\leq 0.02\%$	$< 0.01\%$
Sodium	$\leq 0.2\%$	$< 0.1\%$
Sulfate	$\leq 0.02\%$	$< 0.01\%$
Water Content (KF)	$\leq 46\%$	45.4%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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