

## Certificate of Analysis

Date of Testing: 2024-04-29 15:47:45  
Date of Next Testing: 2028-04-28 15:47:45  
Product Name: **Aluminum sulfate octadecahydrate**  
CAS Number: 7784-31-8  
Specifications & Purity:  $\geq 99\%$   
Lot #: D2428104  
SKU #: **A489714**  
Version: **2**  
Analysis #: **336488**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(Complexometric EDTA)	99-102.5 (%)	101.58 %
Potassium(K)	$\leq 0.01$ (%)	0.00 %
Chloride (Cl-)	$\leq 0.01$ (%)	0.00 %
Iron(Fe)	$\leq 0.01$ (%)	0.00 %
Magnesium(Mg)	$\leq 0.004$ (%)	0.00 %
Sodium(Na)	$\leq 0.1$ (%)	0.02 %
Ammonium (NH <sub>4</sub> )	$\leq 0.02$ (%)	0.01000 %
Heavy metals(as Pb)	$\leq 0.002$ (%)	0.00 %
Insoluble matter in H <sub>2</sub> O	$\leq 0.05$ (%)	0.00 %
PH (50g/L, 25°C)	$\geq 2.5$	2.87000
Clarity test/NO.	$\leq 6$	4.00000
Appearance(A489714)	White crystal or powder	White Crystal or Powder
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager