

## Certificate of Analysis

Date of Testing: 2023-06-14 08:57:15  
Date of Next Testing: 2025-06-03 08:57:15  
Product Name: **Ammonium persulfate**  
CAS Number: 7727-54-0  
Specifications & Purity: for molecular biology,  $\geq 98\%$   
Lot #: I2116166  
SKU #: **A112451**  
**Analysis:** **240631**  
Storage Temperature: Protected from light

Parameter	Limit Values	Result
Chloride (Cl-)	0-10 (ppm)	2.00 ppm
Iron(Fe)	0-10 (ppm)	0.17 ppm
Purity(Titration by KMNO4)	98-100 (%)	98.50 %
Heavy metal (as Pb)	0-50 (ppm)	2.14 ppm
Appearance (A112451)	white powder	White powder
DNase, RNase and Protease	None Detected	none detected
Infrared spectrum	Conforms to Structure	Conforms to Structure
Polymerization	Pass	Pass
Solubility in H2O , 20g/200 ml, H2O Clear	pass	Pass
Test as a Catalyst of Acrylamide	Suitable	Suitable



John Su  
QA & QC Manager