

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-07 11:17:49  
Date of Next Testing: 2027-06-06 11:17:49  
Product Name: amino-polyacrylamide shell /Iron oxide(II,III), magnetic nanoparticles core  
CAS Number:  
Specifications & Purity: 20-60nm,5.0mg/ml in H2O  
Lot #: E2329440  
SKU #: A580633  
**Analysis: 237038**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
PH	4-7	6.60
Particle Size(DLS)	80-150 (nm)	135.20 nm
Particle Size(Cryo-TEM)	20-60 (nm)	52.50000 nm
PDI	0-0.2 (%)	0.20000 %
concentration	4.85-5.15 (mg/ml)	5.00000 mg/ml
Appearance(A580633)	Brown to Black Dispersions	Brown to Black Dispersions



John Su  
QA & QC Manager