

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-13 18:31:00  
 Date of Next Testing: 2029-10-12 18:31:00  
 Product Name: **Activated charcoal**  
 CAS Number: 7440-44-0  
 Specifications & Purity: AR, ≥200 mesh,in bags  
 Lot #: J2510295  
 SKU #: **C112223**  
 Version: **0**  
 Analysis #: **565109**  
 Storage Temperature: Room temperature,Desiccated

| Parameter                     | Limit Values          | Result                |
|-------------------------------|-----------------------|-----------------------|
| Sulfate(SO42-)                | 0-0.01 (%)            | 0.00500 %             |
| Iron(Fe)                      | 0-0.02 (%)            | 0.00210 %             |
| Ignition Residue (as sulfate) | 0-3 (%)               | 2.19000 %             |
| Chloride (Cl-)                | 0-0.025 (%)           | 0.02100 %             |
| Particle size                 | ≥200 (mesh)           | 200.00000 mesh        |
| Zinc(Zn)                      | 0-0.05 (%)            | 0.01000 %             |
| Heavy metals                  | 0-0.005 (%)           | 0.00015 %             |
| Loss on drying                | 0-15 (%)              | 8.06000 %             |
| PH(5% in water,25°C)          | 5-7                   | 6.50000               |
| Solubility in HCl             | 0-0.8 (%)             | 0.56000 %             |
| Appearance (C112223)          | Black powder or solid | Black powder or solid |
| Methylene blue absorbance     | passes test           | Passes test           |



John Su  
QA & QC Manager