



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-01-04 14:57:00  
Date of Next Testing: 2027-01-03 14:57:00  
Product Name: **Expandable Graphite**  
CAS Number:  
Specifications & Purity: flakes  
Lot #: A2402402  
SKU #: **E477901**  
Version: **2**  
Analysis #: **302236**

| Parameter                            | Limit Values          | Result                |
|--------------------------------------|-----------------------|-----------------------|
| Loss on drying                       | 0-1 (%)               | 0.37 %                |
| Expansion volume                     | ≥250 (ml/g)           | 280.00000 ml/g        |
| Carbon Content                       | 95-100 (%)            | 96.69000 %            |
| Particle Size Distribution(+80 mesh) | 70-100 (%)            | 88.19000 %            |
| Ash                                  | 0-5 (%)               | 3.31 %                |
| Appearance(E477901)                  | black sheet           | black sheet           |
| X-Ray Diffraction                    | Conforms to Structure | Conforms to Structure |

John Su  
QA & QC Manager