

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-21 14:17:26

Date of Next Testing: 2028-11-20 14:17:26

Product Name: **Acetylene carbon black**

CAS Number: 1333-86-4

Specifications & Purity: Lithium ion battery electrode materials

Lot #: K2421007

SKU #: **C742510**

Version: **5**

Analysis #: **429772**

Storage Temperature: Room temperature

| Parameter                                            | Limit Values                        | Result                           |
|------------------------------------------------------|-------------------------------------|----------------------------------|
| Ash Content(825°C)                                   | 0-0.1 (%)                           | 0.02000 %                        |
| resistivity                                          | 0-0.2 ( $\Omega \cdot \text{cm}$ )  | 0.15000 $\Omega \cdot \text{cm}$ |
| Surface area(BET)                                    | $\geq 75$ ( $\text{m}^2/\text{g}$ ) | 78.00000 $\text{m}^2/\text{g}$   |
| Other metals (Ni/Co/Cr/Cu/Zn)                        | 0-10 (ppm)                          | 1.00000 ppm                      |
| Loss on drying                                       | 0-0.3 (%)                           | 0.12000 %                        |
| PH(3.0g/90ml,in H <sub>2</sub> O,liquid supernatant) | 7-9                                 | 7.80000                          |
| Metal Content(Fe)                                    | $\leq 20$ (ppm)                     | 8.00000 ppm                      |
| Sulfur Content                                       | not detectable                      | not detectable                   |



John Su  
QA & QC Manager