

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-21 15:51:14  
Date of Next Testing: 2028-11-20 15:51:14  
Product Name: **Acetylene carbon black**  
CAS Number: 1333-86-4  
Specifications & Purity: Lithium ion battery electrode materials  
Lot #: K2421052  
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