

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-20 13:19:05  
Date of Next Testing: 2026-07-19 13:19:05  
Product Name: **(1R,2R)-2-(Anthracene-2,3-dicarboximido)cyclohexanecarboxylic Acid**  
CAS Number: 446044-44-6  
Specifications & Purity: 97%  
Lot #: G2312520  
SKU #: **R405605**  
Analysis: **242942**

Parameter	Limit Values	Result
Purity(HPLC area)	97-100 (%)	99.10%
Assay(Neutralization titration)	96.5-102.5 (%)	99.80%
Specific Rotation [α] <sub>20</sub> /D(c=0.2 in THF)	-45--38 (°)	-43.60°
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(R405605)	Light yellow to Yellow to Orange powder to crystal	Light Yellow to Yellow to Orange powder to crystal



John Su  
QA & QC Manager