

## Certificate of Analysis

Date of Testing: 2024-08-20 11:24:26  
Date of Next Testing: 2028-08-19 11:24:26  
Product Name: **1,1-Cyclobutanedicarboxylic acid**  
CAS Number: 5445-51-2  
Specifications & Purity:  $\geq 98\%$   
Lot #: H2406362  
SKU #: **C683740**  
Version: **1**  
Analysis #: **401715**

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.20 %
Melting point	157-162 (°C)	159.00000 °C
Purity(Neutralization titration)	97.5-103.5 (%)	100.84 %
Appearance(C683740)	White Powder or Crystals	White Powder or Crystals
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager