

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-11 17:15:13

Date of Next Testing: 2027-07-10 17:15:13

Product Name: **2,3-Dichlorobutane**

CAS Number: 7581-97-7

Specifications & Purity: 95% (mixture of cis and trans)

Lot #: F23281173

SKU #: **D155309**

Analysis: **233163**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.442-1.4496	1.44
Purity(mixture of cis and trans)(GC)	95-100 (%)	98.94 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager