

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-07 14:22:57

Date of Next Testing: 2027-02-06 14:22:57

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

CAS Number: 4858-85-9

Specifications &amp; Purity: &gt;98.0%(GC)

Lot #: A2329042

SKU #: **D123437****Analysis: 047452**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.11 %
Carbon by Elemental Analysis	31.2-32.3 (%)	32.05 %
Nitrogen by Elemental Analysis	18.1-19 (%)	18.95 %
Purity(O2 AgNO3 titration with after combustion)	97.5-102.5 (%)	98.00 %
Appearance (D123437)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in MeOH	almost transparency	almost transparency

John Su  
QA & QC Manager