

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-18 15:42:25
 Date of Next Testing: 2029-08-17 15:42:25
 Product Name: **2,3-Dichloropyrazine**
 CAS Number: 4858-85-9
 Specifications & Purity: $\geq 98\%$ (GC)
 Lot #: J2129598
 SKU #: **D123437**
 Version: **2**
 Analysis #: **554864**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.10000 %
Carbon by Elemental Analysis	31.2-32.3 (%)	32.02500 %
Nitrogen by Elemental Analysis	18.1-19 (%)	18.90000 %
Purity(O2 AgNO3 titration with after combustion)	97.5-102.5 (%)	98.00000 %
Appearance (D123437)	White or Colorless to Light yellow powder to lump to clear liquid	White or Colorless to Light yellow powder to lump to clear liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in MeOH	almost transparency	almost transparency
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager