

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-26 18:16:49
 Date of Next Testing: 2028-12-25 18:16:49
 Product Name: **3-(Trifluoromethyl)-1-methyl-1H-pyrazole-4-carboxylic acid**
 CAS Number: 113100-53-1
 Specifications & Purity: $\geq 97\%$
 Lot #: L2423514
 SKU #: **T123195**
 Version: **0**
 Analysis #: **076731**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	13.5-14.8 (%)	14.20000 %
Carbon by Elemental Analysis	35.5-37.5 (%)	37.46000 %
Purity (Titration by NaOH)	96.5-103.5 (%)	99.59000 %
Purity(GC)	97-100 (%)	97.01000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (T123195)	White to Tan Powder or Crystals or chunrks	White to Tan Powder or Crystals or chunrks



John Su
QA & QC Manager