

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-04-24 17:34:57

Date of Next Testing: 2026-04-23 17:34:57

Product Name: **3-(Trifluoromethyl)-1-methyl-1H-pyrazole-4-carboxylic acid**

CAS Number: 113100-53-1

Specifications & Purity: $\geq 97\%$

Lot #: D2220141

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