

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-08-18 10:05:11

Date of Next Testing: 2026-08-17 10:05:11

Product Name: **Tetrabutylammonium perchlorate**

CAS Number: 1923-70-2

Specifications & Purity:  $\geq 99\%$

Lot #: H2215117

SKU #: **T109599**

Version: **0**

Analysis #: **113063**

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

| Parameter                      | Limit Values                          | Result                                |
|--------------------------------|---------------------------------------|---------------------------------------|
| Nitrogen by Elemental Analysis | 3.5-5 (%)                             | 3.83000 %                             |
| Water by Karl Fischer          | 0-1 (%)                               | 0.10810 %                             |
| Carbon by Elemental Analysis   | 54.5-56.9 (%)                         | 56.46000 %                            |
| Purity(Ion exchange titration) | 99-100 (%)                            | 99.24000 %                            |
| Appearance (T109599)           | Colorless or White Powder or Crystals | Colorless or White Powder or Crystals |
| Infrared spectrum              | Conforms to Structure                 | Conforms to Structure                 |
| Solubility in MeOH             | almost transparency                   | almost transparency                   |



John Su  
QA & QC Manager