

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-04 17:53:07

Date of Next Testing: 2024-12-24 17:53:07

Product Name: **2-Butenenitrile**

CAS Number: 4786-20-3

Specifications & Purity:  $\geq 98\%$

Lot #: A2303102

SKU #: **B111228**

Version: **0**

Analysis #: **168806**

Storage Temperature: Room temperature

| Parameter                           | Limit Values                     | Result                           |
|-------------------------------------|----------------------------------|----------------------------------|
| Refractive index n <sub>20</sub> /D | 1.419-1.421                      | 1.42010                          |
| Purity( (sum of isomers)(GC)        | 98-100 (%)                       | 99.86700 %                       |
| Density (20°C)                      | 0.824-0.826                      | 0.82500                          |
| Appearance (B111228)                | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Proton NMR spectrum                 | Conforms to Structure            | Conforms to Structure            |



John Su  
QA & QC Manager