

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-25 10:07:55  
 Date of Next Testing: 2027-09-24 10:07:55  
 Product Name: **1-(Trimethylsilyl)imidazole(TSIM)**  
 CAS Number: 18156-74-6  
 Specifications & Purity: for GC derivatization, ≥98%  
 Lot #: I2320348  
 SKU # **T118634**  
 Version **0**  
 Analysis #: **210285**  
 Storage Temperature: Store at 2-8°C

| Parameter                                 | Limit Values          | Result                |
|-------------------------------------------|-----------------------|-----------------------|
| Purity(GC)                                | 98-100 (%)            | 98.06200 %            |
| Refractive index n <sub>20</sub> /D       | 1.475-1.478           | 1.47700               |
| Appearance (T118634)                      | Colorless Liquid      | Colorless liquid      |
| Effect test of TMS derivatization         | pass test             | pass test             |
| High boiling impurity of Silylation agent | pass test             | pass test             |
| Proton NMR spectrum                       | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager