

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-05-02 09:42:45  
 Date of Next Testing: 2026-05-01 09:42:45  
 Product Name: **4,4'-Dimethoxytrityl chloride (DMT-Cl)**  
 CAS Number: 40615-36-9  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: D2228164  
 SKU #: **D109292**  
 Version: **0**  
 Analysis #: **080312**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                                | Limit Values                        | Result                              |
|--------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
| Melting point                                                            | 123-126 (°C)                        | 125.87000 °C                        |
| Purity(Titration by AgNO <sub>3</sub> )                                  | 96.5-103.5 (%)                      | 100.50000 %                         |
| Purity(HPLC)                                                             | 97-100 (%)                          | 97.01000 %                          |
| Appearance (D109292)                                                     | pink to orange powder and/or chunks | pink to orange powder and/or chunks |
| Infrared spectrum                                                        | Conforms to Structure               | Conforms to Structure               |
| Solubility in CHCL <sub>3</sub> , orange to red, clear 50mg/ml pass (5%) |                                     | Pass                                |



John Su  
QA & QC Manager