

## Certificate of Analysis

Date of Testing: 2022-01-26 14:56:03

Date of Next Testing: 2024-01-16 14:56:03

Product Name: 4-(Trifluoromethyl)benzoyl chloride

CAS Number: 329-15-7

Specifications & Purity: 98%

Lot #: C2023217

SKU #: T109779

Analysis: 070572

Storage Temperature: Argon charged

| Parameter                           | Limit Values                            | Result                                  |
|-------------------------------------|-----------------------------------------|-----------------------------------------|
| Purity(GC)                          | 98-100 (%)                              | 98.30 %                                 |
| Refractive index n <sub>20</sub> /D | 1.475-1.478                             | 1.48                                    |
| Density (20°C)                      | 1.403-1.409                             | 1.41                                    |
| Appearance (T109779)                | Colorless to Pale Orange or Pink liquid | Colorless to Pale Orange or Pink liquid |
| Proton NMR spectrum                 | Conforms to Structure                   | Conforms to Structure                   |



John Su  
QA & QC Manager