

## Certificate of Analysis

Date of Testing: 2024-07-12 13:21:37

Date of Next Testing: 2026-07-12 13:21:37

Product Name: **p-Toluenesulfonyl fluoride**

CAS Number: 455-16-3

Specifications & Purity: 98%

Lot #: J2210541

SKU #: **I170441**

Version: **0**

Analysis #: **386235**

Storage Temperature: Room temperature, Argon charged

| Parameter            | Limit Values                                                                            | Result                                                                                  |
|----------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Purity(GC)           | 98-100 (%)                                                                              | 98.04 %                                                                                 |
| Melting point        | 37-44 (°C)                                                                              | 42.10000 °C                                                                             |
| Appearance (I170441) | White to Off-White to cream to yellow Crystals or powder or crystalline powder or lumps | White to Off-White to cream to yellow Crystals or powder or crystalline powder or lumps |
| Proton NMR spectrum  | Conforms to Structure                                                                   | Conforms to Structure                                                                   |



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