



## Certificate of Analysis

### Phenylmethylsulfonyl Fluoride

**Catalog Number:** PH1001  
**Lot Number:** 1118903  
**CAS Number:** 329-98-6  
**Synonym(s):**  $\alpha$ -Toluenesulfonyl fluoride, Benzylsulfonyl fluoride, PMSF  
**Molecular Formula:** C<sub>7</sub>H<sub>7</sub>FO<sub>2</sub>S  
**Molecular Weight:** 174.19  
**Storage:** 15°C – 30°C  
**Date of Manufacture:** June 4, 2019  
**Retest Date:** June 3, 2024

Test	Specification	Result
Appearance	White to faint yellow powder	Conforms
Assay (GC)	≥ 99%	99.1%
Melting Point	91°C - 95°C	91.36°C
Identification (FTIR)	To match reference spectrum	Conforms
Solubility (1% in EtOH)	Clear & colorless	Conforms
Turbidity	≤ 4NTU	1.2NTU

Approved by:

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