

# CERTIFICATE OF ANALYSIS

(Certificate No. KMG042006-01)

Release Date: 25/04/2026

Re-test Date: 24/04/2029

## P-TOLUENESULFONAMIDE

### Identification

**Chemical Name :**  
4-Methylbenzenesulfonamide

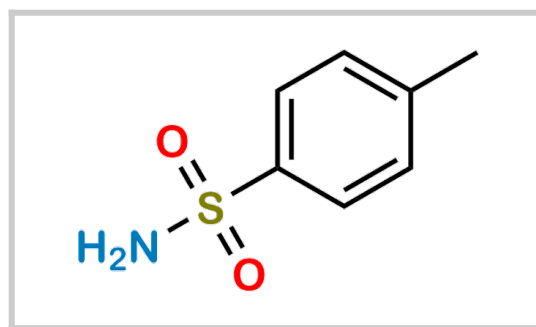
**Alt. Name** : p-Toluenesulfonamide (USP) ;  
Gliclazide BP Impurity A

**CAT No.** : KMG042006

**CAS No.** : 70-55-3

**Molecular Formula** : C<sub>7</sub>H<sub>9</sub>NO<sub>2</sub>S

**Molecular Weight** : 171.2



### Analytical Information

**Batch No.** : PTSAD-045-315

**Description** : White Solid

**HPLC Purity** : 99 %

**Weight Loss By TGA** : 0.20 %

**% Potency** : 98.8 %

**Solubility** : ACN

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be Shipped at Room Temperature

**% Potency** = [100 - 0.20(Weight Loss By TGA)] x [99(HPLC Purity)]/100 = 98.8 %

-Re-tested on 25.04.2026

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		25/04/2026
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		25/04/2026

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA