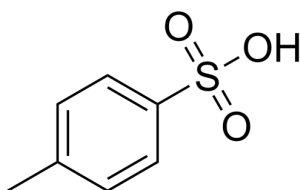


## Certificate of Analysis

### Compound Information

|                     |   |
|---------------------|---|
| Product Name:       | p-Toluenesulfonic acid (monohydrate)            |
| Cat. No.:           | 1037939   |
| CAS No.:            | 6192-52-5                                       |
| Molecular Formula:  | C <sub>7</sub> H <sub>10</sub> O <sub>4</sub> S |
| Molecular Weight:   | 190.22  |
| Chemical Structure: |   |



### Batch Information

|              |   |
|--------------|---|
| Batch No.:   | Lg0328231660                              |
| Storage:     | 2-8°C, sealed storage, away from moisture |
| Test Date:   | 2023-03-28                                |
| Retest Date: | 2026-03-27                                |
| Origin:      | Shanghai, China                           |

### QC Summary

|                              |   |
|------------------------------|---|
| Appearance:                  | White to off-white (Solid)  |
| <sup>1</sup> H NMR Spectrum: | Consistent with structure   |
| Purity (NMR):                | ≥97.0%  |
| Residue on Ignition:         | 0.09%   |
| Water(KF):                   | 9.12%   |
| Conclusion:                  | The product has been tested and complies with the given specifications. |

Caution: Research use only and are not intended for human use.

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