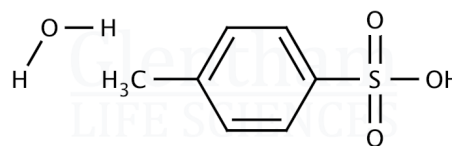


## Certificate of Analysis

|                 |                                    |
|-----------------|------------------------------------|
| Product Name    | p-Toluenesulfonic acid monohydrate |
| Glentham Code   | GK9853                             |
| CAS Number      | 6192-52-5                          |
| EINECS          | 203-180-0                          |
| MDL-Nummer      | MFCD00142137                       |
| Zusätzliche CAS | 104-15-4 (anhydrous)               |
| PubChem SID     | 310279376                          |
| Batch Number    | 542UGN                             |



|                   |                         |
|-------------------|-------------------------|
| Molecular Weight  | 190.22                  |
| Molecular Formula | $C_7H_8O_3S \cdot H_2O$ |
| Storage Temp.     | +20°C                   |

| Property               | Specification                          | Batch 542UGN |
|------------------------|----------------------------------------|--------------|
| Physical Description   | White, off-white or pale pink crystals | Entspricht   |
| Sulphuric acid         | ≤ 0.3%                                 | 0.0%         |
| p-Toluenesulfonic acid | ≥ 88.0% (as-is)                        | 88.5%        |
| Total Acid             | ≥ 97.0% ( $C_7H_8O_3S \cdot H_2O$ )    | 97.8%        |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.0       |
| Manufacture Date      | 2020-11-19 |
| Re-Test Date          | 2028-02-18 |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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