

Certificate of Analysis

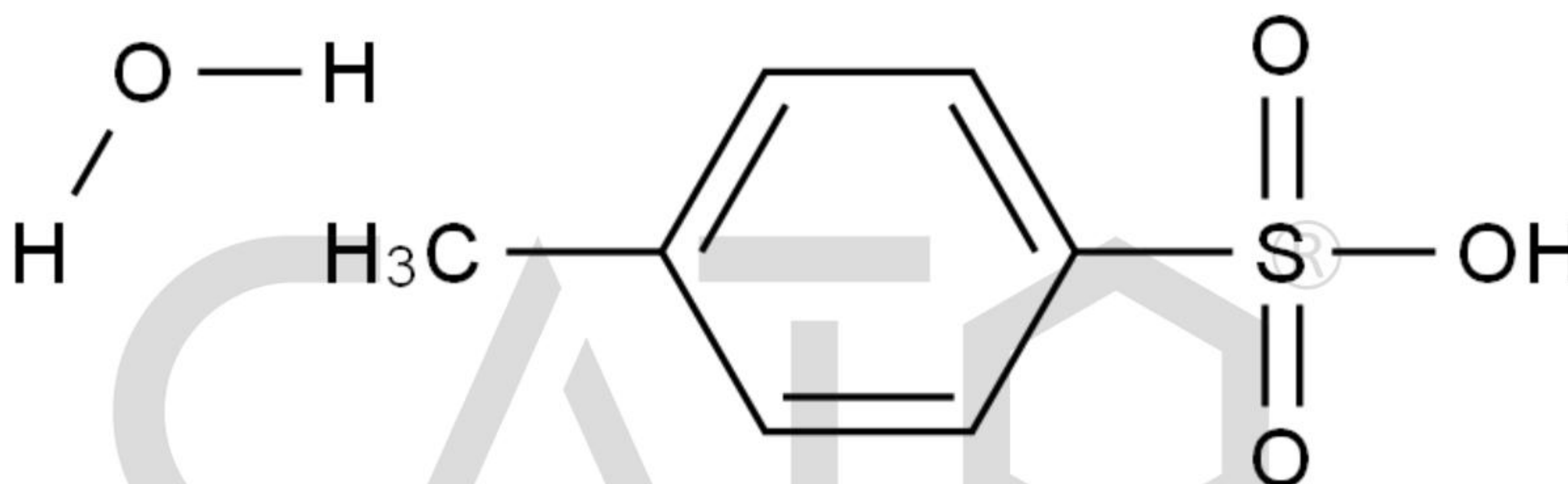
Reference Material & Standard

Product Name:	p-Toluenesulfonic Acid Monohydrate	Catalogue Number:	CCHM701301
Synonyms:	N/A	Lot Number:	0625-RH-0096
CAS Number:	6192-52-5	Expiry Date:	Jun 24, 2032
Molecular Formula:	C ₇ H ₈ O ₃ S H ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	172.20 18.02	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.8%
Assay	qNMR	90.2%
Uncertainty		±1.8%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

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Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Jun 25, 2026

Date: Jun 26, 2026

Date: Jun 26, 2026



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