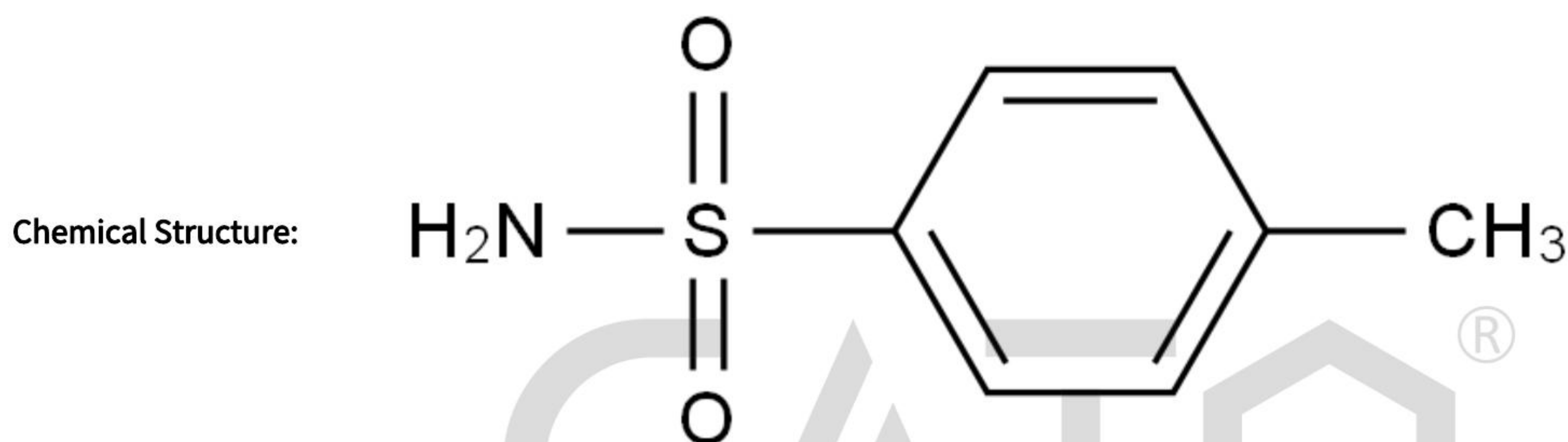


Certificate of Analysis

Reference Material

Product Name:	P-Toluenesulfonamide	Catalogue Number:	CCPD101446
Chemical Name:	N/A	Lot Number:	0425-RA-0005
CAS Number:	70-55-3	Expiry Date:	Oct 12, 2026
Molecular Formula:	C ₇ H ₉ NO ₂ S	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	171.22		



Test Items	Method	Results
Appearance	Visual inspection	White Crystalline Solid
Identification	GCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	0.0644%
Assay		99.9%
Uncertainty		±2.0%

Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

2. 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:

Delia

Reviewed by:

Xenia

Aproved by General manager:

David

Date: Oct 13, 2022

Date: Oct 14, 2022

Date: Oct 14, 2022

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