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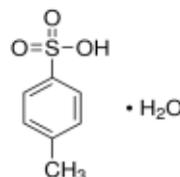
Email USA: techserv@sial.com

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Product Specification

Product Name:
p-Toluenesulfonic acid monohydrate – ACS reagent, ≥98.5%

Product Number: **402885**
 CAS Number: 6192-52-5
 MDL: MFCD00142137
 Formula: C₇H₈O₃S · H₂O
 Formula Weight: 190.22 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder or Crystals
Appearance (Clarity)	Clear
c = 10g/50ml; Water	
Infrared spectrum	Conforms to Structure
Titration with NaOH	≥ 98.50 %
Water (by Karl Fischer)	9.5 - 11.5 %
Residue on ignition (Ash)	≤ 0.10 %
Iron (Fe)	≤ 0.01 %
by ICP Assay	
Sodium (Na)	≤ 0.002 %
by ICP Assay	
Heavy Metal	≤ 0.001 %
as Lead	
Sulfate (SO ₄)	≤ 0.30 %
Meets ACS Requirements	Current ACS Specification

Specification: PRD.4.ZQ5.10000028580

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.