



# Specification

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1.09613.0000 Toluene-4-sulfonic acid monohydrate for analysis EMSURE® ACS

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	Specification	
Assay (acidimetric, calc. on anhydrous substance)	≥ 99.0	%
Identity	passes test	
Appearance of solution	conforms	
Sulfate (SO <sub>4</sub> )	≤ 0.3	%
Heavy metals (as Pb)	≤ 0.001	%
Fe (Iron)	≤ 0.01	%
Na (Sodium)	≤ 0.002	%
TLC-Test	passes test	
Sulfated ash	≤ 0.1	%
Water (according to Karl Fischer)	9.5 - 11.5	%

Julian Hofmann

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Responsible laboratory manager quality control

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