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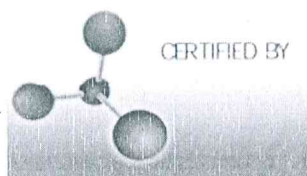
Specification Sheet

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2008 by SAI Global Certificate Number QMS42099

Catalogue Number:	T/2300	Expiry Phrase:	Use within 5 yrs of opening
Description:	Toluene		
Grade:	AR	Application:	For analysis

Result Name	Specification	Units
Acidity/alkalinity (meq/g)	<= 0.0001	meq/g
Assay (GC)	>= 99.8	%
Benzene	<= 0.05	%
Calcium (Ca)	<= 0.1	ppm
Colour	<= 10	APHA
Copper (Cu)	<= 0.02	ppm
Iron (Fe)	<= 0.1	ppm
Lead (Pb)	<= 0.02	ppm
Magnesium (Mg)	<= 0.05	ppm
Potassium (K)	<= 0.5	ppm
Residue after evaporation (ppm)	<= 10	ppm
Sodium (Na)	<= 1	ppm
Substances darkened by H ₂ SO ₄ (APHA)	<= 50	APHA
Substances reducing KMnO ₄	<= 0.0005	%
Total phosphorus (P)	<= 0.1	ppm
Total silicon (Si)	<= 0.05	ppm
Total sulfur (S)	<= 10	ppm
Water	<= 0.03	%
Xylenes	<= 0.05	%
Zinc (Zn)	<= 0.05	ppm

Additional Information:	
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Mrs K S Cluskey BSc
Quality & Compliance Manager.

Thursday 11th of January 2018

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above. If there are any questions regarding this certificate, please call Technical Support on +32 1456 5600