

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by INTERTEK SAI Global
Certificate Number. QMS42099

Catalogue Number	42117
Lot Number	2220089
Description	Toluene HPLC ACS For analysis
CAS Number	108-88-3
Quality Test/Release Date	04/May/2022
Expiry Phrase	Use within 5 yrs of opening
Country of Origin	United Kingdom

Result Name	Units	Specifications	Test Value
Absorbance @ 286 nm	A.U.	<= 1	0.344
Absorbance @ 288 nm	A.U.	<= 0.5	0.153
Absorbance @ 293 nm	A.U.	<= 0.2	0.054
Absorbance @ 300 nm	A.U.	<= 0.1	0.028
Absorbance @ 310 nm	A.U.	<= 0.05	0.013
Absorbance @ 335 nm	A.U.	<= 0.02	0.004
Absorbance @ 350 nm	A.U.	<= 0.01	0.002
Absorbance @ 400 nm	A.U.	<= 0.01	0
Assay (GC)	%	>= 99.5	100
Chemical form		Mobile liquid	Mobile liquid
Colour	APHA	<= 10	<5
Residue after evaporation (%)	%	<= 0.001	None Detected
Substances darkened by H2SO4 (ACS)		Must be 'Pass'	Pass
Sulfur compounds (S)	%	<= 0.003	<0.0001
Visual colour		Clear colourless	Clear colourless
Water	%	<= 0.03	0.004



Ashok Ganatra
Supervisor, QC

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research use or further manufacturing. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

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.