

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	42455
Lot Number	2665654
Description	Toluene, 99.5 % ACS meets req.of Reag.Ph.Eur.
CAS Number	108-88-3
Quality Test/Release Date	19/Jan/2026
Expiry Phrase	5 years from analysis date
Country of Origin	United Kingdom

Result Name	Units	Specifications	Test Value
Assay (GC)	%	>= 99.5	99.99
Boiling point	Degrees C	>= 109 and <= 111	111
Chemical form		Mobile liquid	Mobile liquid
Colour	APHA	<= 10	<5
Density @ 20C (g/ml)	g	>= 0.865 and <= 0.87	0.867
Residue after evaporation (%)	%	<= 0.001	0.00005
Substances darkened by H2SO4 (Pass/Fail)		Must be 'Pass'	Pass
Sulfur (%)	%	<= 0.003	<0.0001
Visual colour		Clear colourless	Clear colourless
Water	%	<= 0.03	0.007

A. Ganatra

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.