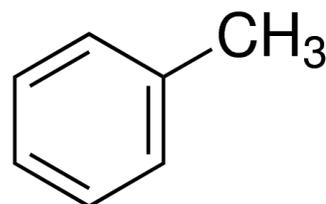


Department: Quality Control
Document No: LCPL/QSD/QAD/11
SOP No.: SOP/QC/11-T233
SPECIFICATION : TOLUENE HPLC

Issue date	23/04/2018	Review date	22/04/2023	Location	All Units
Version No.:	00	Supersedes	--	Page No	1 of 1

PRODUCT DETAILS

1	Molecular Formula	$C_6H_5CH_3$
2	Product code	T233
3	Molecular weight	92.14
4	CAS No	108-88-3
5	Risk Statement No	63-11-38-48/20-65-67
6	Safety Statement No	36/37-46-62
7	UN No.	UN1294


PACKING DETAILS

	Product code	Pack size
1	T23332	2.5 L

PRODUCT SPECIFICATION

SL. No.	TEST PARAMETERS	LIMITS
1	Description	Clear, colourless, refracting liquid.
2	Identification (by IR Spectrum)	To conform
3	Miscibility	Miscible with ethanol, acetone, ether, chloroform, benzene and carbon disulphide.
4	Assay (GC)	Not less than 99.8%
5	Weight per mL at 20°C	0.865 and 0.867 g
6	Non-volatile matter	Not more than 0.0005%
7	Acidity	Not more than 0.0004%
8	Alkalinity	Not more than 0.0004%
9	Substances discoloured by H_2SO_4	Passes test
10	Water (by KF)	Not more than 0.03%
	<i>Minimum Transmittance (10 mm Cuvette using water as reference).</i>	
11	Wave length	Min. T%
	285 nm	10%
	310 nm	79%
	320 nm	90%
	350 nm	98%

SAFETY SYMBOLS


Harmful / Irritant



Flammable



Health hazard