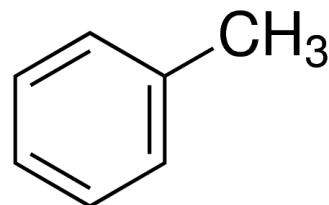


SPECIFICATION : TOLUENE AR

Issue date	23/04/2018	Review date	22/04/2023	Location	All Units
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PRODUCT DETAILS

1	Molecular Formula	C ₆ H ₅ CH ₃
2	Product code	T043
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	T04330	500 mL
2	T04332	2.5 L

PRODUCT SPECIFICATION

SL. No. TEST PARAMETERS

LIMITS

1	Description	Clear colourless refractive liquid.
2	Miscibility	Miscible with ethanol, acetone, ether, chloroform, benzene and carbon disulphide.
3	Assay (GC)	Not less than 99.5%
4	Weight per mL at 20°C	Between 0.865 and 0.867 g
5	Refractive index at 20°C	Between 1.495 and 1.497
6	Distillation range	Between 110.0 and 111.0°C
7	Non-volatile matter	Not more than 0.001%
8	Acidity (as HCl)	Not more than 0.0004%
9	Alkalinity (NaOH)	Not more than 0.0005%
10	Sulphur compounds	Not more than 0.0003%
11	Thiophene homologues	Not more than 0.0002%
12	Benzene	Not more than 0.2%
13	Cadmium (Cd)	Not more than 0.000001%
14	Copper (Cu)	Not more than 0.000001%
15	Iron (Fe)	Not more than 0.000005%
16	Lead (Pb)	Not more than 0.000001%
17	Zinc (Zn)	Not more than 0.000001%
18	Substances discoloured by H ₂ SO ₄	Passes test
19	Water (by KF)	Not more than 0.03%

Department: Quality Control

Document No: LCPL/QSD/QAD/11

SOP No.: SOP/QC/11-T043

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SAFETY SYMBOLS



Harmful / Irritant



Flammable



Health hazard