

Department: Quality Control

Document No: LCPL/QSD/QAD/11

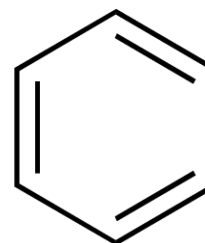
SOP No.: SOP/QC/11-B012

SPECIFICATION : BENZENE LR

Issue date	15/02/2018	Review date	14/02/2023	Location	All Units
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PRODUCT DETAILS

1	Molecular Formula	C ₆ H ₆
2	Product code	B012
3	Molecular weight	78.11
4	CAS No	71-43-2
5	Risk Statement No	45-46-11-36/38-48/23-24/25-65
6	Safety Statement No	53-45
7	UN No.	UN1114



PACKING DETAILS

	Product code	Pack size
1	B01230	500 mL
2	B01232	2.5 L

PRODUCT SPECIFICATION

SL. No. TEST PARAMETERS

1	Description
2	Miscibility
3	Assay (GC)
4	Weight per mL
5	Refractive index
6	Boiling range
7	Freezing/Congeealing temperature
8	Non volatile matter
9	Water (by KF)
10	Readily carbonizable substances

LIMITS

Clear colourless liquid with characteristic odour.
Miscible with almost all organic solvents, 0.2g miscible in 100mL of water
Not less than 99.7%
Between 0.877 g and 0.879 g
Between 1.4990 and 1.5010
Between 79.5° and 80.5°C
Not less than 5.2°C
Not more than 0.002%
Not more than 0.1%
Passes the test

SAFETY SYMBOLS



Highly flammable



Harmful/Irritant



Health hazard