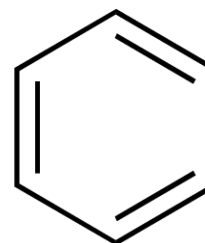


SPECIFICATION : BENZENE AR

| | | | | | |
|---------------------|-------------------|--------------------|-------------------|-----------------|------------------|
| Issue date | 15/02/2018 | Review date | 14/02/2023 | Location | All Units |
| Version No.: | 00 | Supersedes | -- | Page No | 1 of 2 |

PRODUCT DETAILS

| | | |
|---|---------------------|-------------------------------|
| 1 | Molecular Formula | C ₆ H ₆ |
| 2 | Product code | B013 |
| 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 | B01330 | 500 mL |
| 2 | B01332 | 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 | Acidity (as HCl) |
| 10 | Alkalinity (as NH ₃) |
| 11 | Sulphur compounds |
| 12 | Thiophene |
| 13 | Copper (Cu) |
| 14 | Iron (Fe) |
| 15 | Lead (Pb) |
| 16 | Zinc (Zn) |
| 17 | Water (by KF) |
| 18 | Substances discoloured by H ₂ SO ₄ |

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 0.001% |
| Not more than 0.0005% |
| Not more than 0.00025% |
| Not more than 0.003% |
| Not more than 0.0002% |
| Not more than 0.00002% |
| Not more than 0.00005% |
| Not more than 0.00002% |
| Not more than 0.00001% |
| Not more than 0.05% |
| Passes the test |

Department: Quality Control

Document No: LCPL/QSD/QAD/11

SOP No.: SOP/QC/11-B013

SPECIFICATION : BENZENE AR

| | | | | | |
|---------------------|-------------------|--------------------|-------------------|-----------------|------------------|
| Issue date | 15/02/2018 | Review date | 14/02/2023 | Location | All Units |
| Version No.: | 00 | Supersedes | -- | Page No | 2 of 2 |

SAFETY SYMBOLS



Highly
flammable



Harmful/
Irritant



Health hazard