

SPECIFICATION : HEXANE HPLC

| | | | | | |
|---------------------|------------|--------------------|------------|-----------------|------------------|
| Issue date | 16/04/2018 | Review date | 15/04/2023 | Location | All Units |
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PRODUCT DETAILS

| | | | |
|---|---------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|
| 1 | Molecular Formula | CH ₃ (CH ₂) ₄ CH ₃ | |
| 2 | Product code | H102 | |
| 3 | Molecular weight | 86.18 | CH ₃ (CH ₂) ₄ CH ₃ |
| 4 | CAS No | 110-54-3 | |
| 5 | Risk Statement No | 11-38-48/20-51/53-62-65-67 | |
| 6 | Safety Statement No | 9-16-29-33-36/37-61-62 | |
| 7 | UN No. | UN1208 | |

PACKING DETAILS

| | Product code | Pack size |
|---|--------------|-----------|
| 1 | H10230 | 500 mL |
| 2 | H10232 | 2.5 L |

PRODUCT SPECIFICATION

| SL. No. | TEST PARAMETERS | LIMITS |
|---------|------------------------------|----------------------------------------------|
| 1 | Description | A clear colourless liquid. |
| 2 | Miscibility | Miscible with alcohol, chloroform and ether. |
| 3 | Purity (by GC) | Not less than 98.0% |
| 4 | Distillation range | Between 63.0 and 70.0°C |
| 5 | Weight per Ml at 20°C | Between 0.655 and 0.665 g |
| 6 | Single major impurity | Not more than 0.2% |
| 7 | Acidity | Not more than 0.001% |
| 8 | Non volatile matter | Not more than 0.0005% |
| 9 | Sulphur compounds | Not more than 0.005% |
| 10 | Thiophene | Passes test |
| 11 | Water (by KF) | Not more than 0.01% |
| 12 | <u>Minimum Transmittance</u> | |
| | <i>Wave length</i> | <i>Min. Transmittance.</i> |
| | 210 nm | 25.0% |
| | 220 nm | 70.0% |
| | 230 nm | 80.0% |
| | 240 nm | 95.0% |
| | 250 nm | 98.0% |

Department: Quality Control

Document No: LCPL/QSD/QAD/11

SOP No.: SOP/QC/11-H102

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SAFETY SYMBOLS



Harmful / Irritant



Health hazard



Flammable



Dangerous for the environment