

Department: Quality Control

Document No: LCPL/QSD/QAD/11

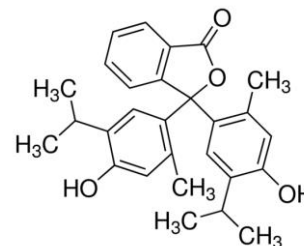
SOP No.: SOP/QC/11-T035

SPECIFICATION : THYMOLPHTHALEIN PH INDICATOR

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

PRODUCT DETAILS

| | | |
|---|---------------------|--|
| 1 | Molecular Formula | C ₂₈ H ₃₀ O ₄ |
| 2 | Product code | T035 |
| 3 | Molecular weight | 430.54 |
| 4 | CAS No | 125-20-2 |
| 5 | Risk Statement No | 40 |
| 6 | Safety Statement No | 36/37 |
| 7 | UN No. | --- |



PACKING DETAILS

| | | |
|---|--------------|-----------|
| | Product code | Pack size |
| 1 | T03503 | 5g |
| 2 | T03505 | 25g |
| 3 | T03511 | 1Kg |

PRODUCT SPECIFICATION

| SL. No. | TEST PARAMETERS | LIMITS |
|---------|--|---|
| 1 | Description | White or almost white crystalline powder. |
| 2 | Clarity | 0.1% solution in ethanol is clear. |
| 3 | pH range (9.3 – 10.5) (Colourless to Blue) | Passes test |
| 4 | Absorption maxima at pH 10.5 | Between 592nm and 598 nm |
| 5 | Melting range | Between 246.0°C – 254°C |
| 6 | Sensitivity | Passes test |
| 7 | Loss on drying (at 110°C) | Not more than 3.0% |
| 8 | Residue on ignition (after drying) | Not more than 1.0% |

SAFETY SYMBOLS