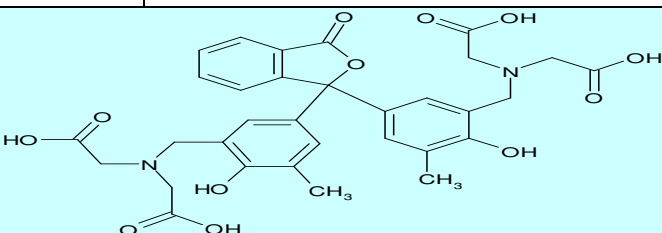




**SDFCL**  
s d fine-CHEM limited  
Quality Control Dept.



Product Specification

|                                                                                                                                                               |                                                                          |                                                                               |                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| E Control                                                                                                                                                     | QC2\DATAD\D:\PS\30027XPS.xls                                             |                                                                               |                                                                                            |
| PRODUCT CODE                                                                                                                                                  | 30027                                                                    |                                                                               |                                                                                            |
| PRODUCT NAME                                                                                                                                                  | o-CRESOLPHTHALEIN COMPLEXONE                                             |                                                                               |                                                                                            |
| SYNONYMS                                                                                                                                                      | (Phthalein purple)                                                       |                                                                               |                                                                                            |
| C.I. NO.                                                                                                                                                      | --                                                                       |                                                                               |                                                                                            |
| CASR NO.                                                                                                                                                      | (2411-89-4)                                                              |                                                                               |                                                                                            |
| ATOMIC OR MOLECULAR FORMULA                                                                                                                                   | C <sub>32</sub> H <sub>32</sub> N <sub>2</sub> O <sub>12</sub>           |                                                                               |                                                                                            |
| ATOMIC OR MOLECULAR WEIGHT                                                                                                                                    | 636.62                                                                   |                                                                               |                                                                                            |
| PROPERTIES                                                                                                                                                    | ----                                                                     |                                                                               |                                                                                            |
|                                                                             |                                                                          |                                                                               |                                                                                            |
| PARAMETER                                                                                                                                                     | LIMIT                                                                    |                                                                               |                                                                                            |
| Description                                                                                                                                                   | White to creamy white powder.                                            |                                                                               |                                                                                            |
| Clarity of solution                                                                                                                                           | Passes test.                                                             |                                                                               |                                                                                            |
| Identification (FTIR)                                                                                                                                         | Conforms.                                                                |                                                                               |                                                                                            |
| Absorption maximum in NaOH 0.1 mol/l                                                                                                                          | 570 - 575 nm                                                             |                                                                               |                                                                                            |
| E1% 1 cm λmax                                                                                                                                                 | > 625                                                                    |                                                                               |                                                                                            |
| Residue on ignition                                                                                                                                           | Max. 1.0%                                                                |                                                                               |                                                                                            |
| Loss on drying (at 135°C)                                                                                                                                     | Max. 15.0%                                                               |                                                                               |                                                                                            |
| Sensitivity as complexometric indicator                                                                                                                       | Passes test.                                                             |                                                                               |                                                                                            |
| MAXIMUM LIMIT OF IMPURITIES                                                                                                                                   |                                                                          |                                                                               |                                                                                            |
|                                                                                                                                                               |                                                                          |                                                                               |                                                                                            |
|                                                                                                                                                               |                                                                          |                                                                               |                                                                                            |
|                                                                                                                                                               |                                                                          |                                                                               |                                                                                            |
|                                                                                                                                                               |                                                                          |                                                                               |                                                                                            |
|                                                                                                                                                               |                                                                          |                                                                               |                                                                                            |
| Note(s) : Assay (if applicable) method mentioned.                                                                                                             |                                                                          |                                                                               |                                                                                            |
| <b>WARNING</b><br><b>Hazard statements:</b> Not hazarous. No hazards.<br><b>Precautionary statements</b><br><b>Prevention:</b> ----<br><b>Response:</b> ----- |                                                                          |                                                                               | IMDG Code : --<br>UN No. : --<br>IATA : --                                                 |
| <b>Disposal:</b> ----                                                                                                                                         |                                                                          |                                                                               |                                                                                            |
| Hazard Pictogram(s) : --                                                                                                                                      |                                                                          |                                                                               |                                                                                            |
| Prepared By :<br>Name/Dept. : Officer (Q.A.)<br>Sign. :<br>Date : 01.04.2010                                                                                  | Checked By:<br>Name/Dept.:Incharge(Q.A.)<br>Sign. :<br>Date : 01.04.2010 | Approved By:<br>Name/Dept. : Incharge (Tech.)<br>Sign. :<br>Date : 02.04.2010 | Issue Date : 01.07.2002<br>Revision No.: 01<br>Revision dt. :02.04.2010<br>AMEND NO. :1554 |

