

## SPECIFICATION

### Phenol Crystals

| Parameters       | Specification                                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Appearance       | Colorless crystals                                                                                                                                |
| Molecular Weight | 94.11 g/mol                                                                                                                                       |
| Boiling Point    | 181.7 °C                                                                                                                                          |
| Melting Point    | 40.5 °C                                                                                                                                           |
| Flash Point      | 79 °C                                                                                                                                             |
| Purity           | 99–99%                                                                                                                                            |
| Refractive Index | 1.533                                                                                                                                             |
| Solubility       | 84 g/L (20 °C) water; soluble in alcohol and ether                                                                                                |
| Uses             | Used as a chemical reagent in laboratories and as a starting material for phenolic compounds; antiseptic and disinfectant in some historical uses |