

## Specification Sheet

Product Name: **Phenol**  
Specifications & Purity: for molecular biology ,  $\geq 99.5\%$   
SKU # **P100769**

| Parameter                               | Limit Values          |
|-----------------------------------------|-----------------------|
| Iron(Fe)                                | 0-5 (ppm)             |
| Aluminum(Al)                            | 0-5 (ppm)             |
| Cadmium(Cd)                             | 0-5 (ppm)             |
| (As)Arsenic                             | 0-0.1 (ppm)           |
| Bismuth(Bi)                             | 0-5 (ppm)             |
| Calcium(Ca)                             | 0-10 (ppm)            |
| Purity(GC)                              | 99.5-100 (%)          |
| Lithium(Li)                             | 0-5 (ppm)             |
| Water by Karl Fischer                   | 0-0.5 (%)             |
| Zinc(Zn)                                | 0-5 (ppm)             |
| (Pb)Lead                                | 0-5 (ppm)             |
| Manganese(Mn)                           | 0-5 (ppm)             |
| Nickel(Ni)                              | 0-5 (ppm)             |
| pH                                      | 3-6                   |
| Barium(Ba)                              | 0-5 (ppm)             |
| Melting point                           | 41-45 (°C)            |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> ) | 0-50 (ppm)            |
| Potassium(K)                            | 0-50 (ppm)            |
| Chrome(Cr)                              | 0-5 (ppm)             |
| Ignition Residue (as sulfate)           | 0-0.05 (%)            |
| Chloride(Cl <sup>-</sup> )              | 0-5 (ppm)             |
| Strontium(Sr)                           | 0-5 (ppm)             |
| Copper(Cu)                              | 0-5 (ppm)             |
| Cobalt (Co)                             | 0-5 (ppm)             |
| Sodium(Na)                              | 0-50 (ppm)            |
| Molybdenum(Mo)                          | 0-5 (ppm)             |
| Magnesium (Mg)                          | 0-5 (ppm)             |
| Appearance (P100769)                    | Clear Crystals        |
| DNases                                  | none detected         |
| Infrared spectrum                       | Conforms to Structure |
| Insoluble matter                        | pass                  |
| phosphatases                            | none detected         |



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

**Parameter**

proteases

RNases

Solubility(Clear colorless solution at 50 mg/ml in water)

**Limit Values**

none detected

none detected

Pass