



**Importers and dealers of**  
- Natural and Organic Oils  
- Essential Oils  
- Natural Powders  
- Clays, etc  
- Agro Products  
- General Contracts

## **CERTIFICATE OF ANALYSIS**

|              |                           |                  |  |
|--------------|---------------------------|------------------|--|
| Product Name | 4-Hexyl Resorcinol Powder |                  |  |
| CAS NO.      | 136-77-6                  |                  |  |
| Batch Number |                           | Manufacture Date |  |
| Report Date  | 20230217                  | Expiry Date      |  |

| Item of Analysis                          | Specification   | Results               |
|---|---|-----------------------|
| Assay                                     | $\geq 99\%$ (w/w)   | 99.7%                 |
| <b>Organoleptic</b>                       |   |                       |
| Appearance                                | Powder  | Conform               |
| Color                                     | White to Off-white powder   | Off-white powder      |
| Odor                                      | Odorless and tasteless  | Conform               |
| Identification(by IR)                     | To match with the standard  | Conform               |
| <b>Physical Characteristics</b>           |   |                       |
| Melting range                             | 62 to 67°C  | 64.3-65.6°C           |
| Moisture content                          | $\leq 1.0\%$  | 0.04%                 |
| Sulphated Ash                             | $\leq 0.1\%$  | 0.02%                 |
| Resorcinol                                | $\leq 0.2\%$  | Below Detection Limit |
| Acidity                                   | NMT 1.0 ml of 0.020 N sodium hydroxide is required for neutralization | Conform               |
| <b>Heavy metals</b>                       |   |                       |
| Heavy metals(Pb)                          | $\leq 10\text{ppm}$   | <10ppm                |
| Chloride (Cl)                             | $\leq 2\text{ppm}$  | <2ppm                 |
| Arsenic (As <sub>2</sub> O <sub>3</sub> ) | $\leq 2\text{ppm}$  | <2ppm                 |
| Cadmium (Cd)                              | $\leq 1\text{ppm}$  | <1ppm                 |
| Mercury (Hg)                              | $\leq 1\text{ppm}$  | <1ppm                 |
| Cadmium (Cd)                              | $\leq 0.5\text{ppm}$  | <0.5ppm               |
| <b>Microbiological Tests</b>              |   |                       |
| Total Bacteria Count                      | 100cfu/g Max  | Conform               |
| Yeast & Mold                              | 10cfu/g Max   | Conform               |
| E. Coli.                                  | Negative  | Conform               |
| Salmonella                                | Negative  | Conform               |



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|                |          |         |
|----------------|----------|---------|
| Staphylococcus | Negative | Conform |
|----------------|----------|---------|

**Storage:** Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

**Shelf Life:** 24 months if store under the conditions above and stay in original packaging.