



## Specification

### Dodecyl Gallate

**Catalog Number:** DG1001  
**CAS Number:** 1166-52-5  
**Synonyms:** Lauryl gallate; Dodecyl 3,4,5-trihydroxybenzoate; Gallic acid, lauryl ester  
**Molecular Formula:** C<sub>19</sub>H<sub>30</sub>O<sub>5</sub>  
**Molecular Weight:** 338.44

| Test                        | Specification  |
|-----------------------------|--|
| Description:                | White to cream-colored powder, Odorless.             |
| Assay:                      | 98% minimum  |
| Melting Point:              | 96 - 100 Deg. C                                      |
| Loss on drying:             | < 0.50%  |
| Free Acid (as Gallic Acid): | < 0.50%  |
| Residue on Ignition:        | <0.50%   |
| Arsenic (As):               | < 3 mg/kg  |
| Lead (Pb):                  | < 10 mg/kg   |
| Heavy metals (as Pb):       | < 30 mg/kg   |
| Sulfated Ash:               | < 0.05%  |
| Solubility:                 | Insoluble in water, soluble in ethanol and in ether. |

Approved:

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