



## Technical data sheet of Tert-butyl hydroquinone

|                  |   |
|------------------|---|
| Product          | Tert-butyl hydroquinone (TBHQ)                        |
| Chemical Name    | tert-Butylhydroquinone or mono-tert-Butylhydroquinone |
| CAS              | 1948-33-0   |
| Chemical Formula | C <sub>10</sub> H <sub>14</sub> O <sub>2</sub>        |
| Molecular Weight | 166.22  |
| EINECS Number    | 217-752-2   |

**Identification:**

Dissolve a few milligrams of sample in 1 mL of methanol, and add a few drops of a 25% solution of dimethylamine in water. A pink to red color appears.

**Physical Character:**

Occurs as a white, crystalline solid. It is soluble in alcohol and in ether, and it is practically insoluble in water.

**SPECIFICATION (FCC 12):**

| ITEM                                     | STANDARD LIMITS  |
|--|--|
| Assay(%)                                 | NLT 99.0% of TBHQ(C <sub>10</sub> H <sub>14</sub> O <sub>2</sub> ) |
| Tert-Butyl-p-Benzoquinone (%)            | NMT 0.2  |
| 2,5-Di-Tert-Butylhydroquinone (%)        | NMT 0.2  |
| Hydroquinone (%)                         | NMT 0.1  |
| Toluene (%)                              | NMT 0.0025   |
| Melting Range (°)                        | NLT 126.5  |
| Lead(mg/kg)                              | NMT 2  |
| UV-Absorbance (Polynuclear Hydrocarbons) | Complies with FCC 12   |

**Packaging:**

25kgs sealed polyethylene bags in fiber drum.

**Storage Conditions:**

Store in cool and dry location with fresh, clean and circulating air. Protect from direct sunlight, microbial and other contamination.

**Shelf Life:**

3 years in original packaging containers.