

## TECHNICAL DATA SHEET

# Olive Extract

## Hydroxytyrosol 20% HPLC

### Chemical Properties

Plant source: *Olea europaea* L.

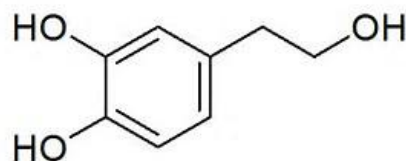
Used part: Leaf

Extract Solvent: Water & Ethanol

CAS No: 10597-60-1

Chemical Formula: C<sub>8</sub>H<sub>10</sub>O<sub>3</sub>

Molecular Weight: 154.16



### Description

Hydroxytyrosol is a natural polyphenolic compound with strong antioxidant activity, mainly in the form of esters in olive fruits and foliage.

### Solubility

Partially soluble in water.

### Specification

| Item                      | Specification                                 | Test Method              |
|---------------------------|---|--------------------------|
| Appearance                | Brown-Greenish fine powder                    | Visual                   |
| Odor & Taste              | Characteristic                                | Organoleptic             |
| Identification            | Peak time consistent with the standard sample | HPLC                     |
| Hydroxytyrosol            | Min 20.0%                                     | HPLC, in-house           |
| Particle Size             | Min 98% Through 80 mesh                       | USP34<786>               |
| Loss on Drying            | Max 5.0%                                      | Eur.Ph.6.0[2.8.17]       |
| Bulk Density              | 40~60g/100mL                                  | In-house                 |
| Total Heavy Metals        | Max 20 ppm                                    | Eur.Ph.6.0<2.2.58>ICP-MS |
| Arsenic                   | Max 2 ppm                                     | Eur.Ph.6.0<2.2.58>ICP-MS |
| Lead                      | Max 2 ppm                                     | Eur.Ph.6.0<2.2.58>ICP-MS |
| Solvent Residue (Ethanol) | Max 5000 ppm                                  | USP                      |
| Total Plate Count         | Max 1000 cfu/g                                | USP34<61>                |
| Yeast & Mould             | Max 100 cfu/g                                 | USP34<61>                |
| <i>E. Coli</i>            | Negative                                      | USP34<62>                |
| <i>Salmonella</i>         | Negative                                      | USP34<62>                |
| <i>Staphylococcus</i>     | Negative                                      | USP34<62>                |

## Regulatory Information

|                                | Yes | No |
|--------------------------------|-----|----|
| Contains GMO based ingredients |     | √  |
| BSE/TSE-free                   | √   |    |
| Non-irradiation                | √   |    |
| Suitable for vegetarian        | √   |    |
| Suitable for vegan             | √   |    |

## Country of Origin

China

## Ingredients

Olive Extract Hydroxytyrosol min 20%.

## Labeling

In the United States and the European Union: Olive Extract

## Functions

- 1). Resist bacteria.
- 2). Resist oxidation.
- 3). Strengthen the immune system.
- 4). Help eliminate atrial fibrillation (arrhythmias) and lower hypertension.

## Applications

Applied in medicine, health care products, and cosmetics.

## Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

## Handling recommendations

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation.

## Packaging, Storage & Shelf Life

|            |   |
|------------|---|
| Package    | 500Kg/20Drums; or according to customers' requirements. |
| Storage    | Store in a cool place fully protected from sun light.   |
| Shelf Life | 2 years if sealed and stored properly.                  |