

TECHNICAL DATA SHEET

Raspberry Extract

Raspberry Ketone 20% HPLC

Chemical Properties

Plant source: *Rubus Idaeus*

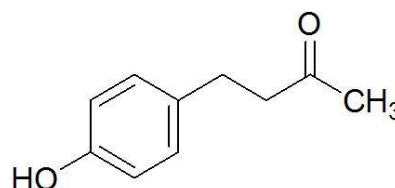
Used part: Fruit

Extraction Solvent: Ethanol & Water

Chemical Formula: C₁₀H₁₂O₂

Molecular Weight: 164.22

CAS No.: 5471-51-2



Description

Raspberries contain significant amounts of polyphenol antioxidants such as anthocyanin pigments linked to potential health protection against several human diseases. The aggregate fruit structure contributes to its nutritional value, as it increases the proportion of dietary fiber, placing it among plant foods with the highest fiber contents known, up to 20% fiber per total weight.

Solubility

It is soluble in water.

Specification

| Item | Specification | Test Method |
|--------------------------|--------------------------|----------------------------|
| Appearance | Yellow brown fine powder | Visual |
| Odour | Characteristic | Organoleptic |
| Identification | Identical to R.S. sample | HPTLC, in-house |
| Assay (Raspberry Ketone) | Min 20% | HPLC, in-house |
| Sieve analysis | Min 98% pass 80 mesh | USP36 <786> |
| Bulk Density | 40-60g/100mL | Eur.Ph.7.0 [2.9.34] |
| Tapped Density | 60~90g/100mL | Eur.Ph.7.0 [2.9.34] |
| Loss on Drying | Max 5.0% | Eur.Ph.7.0 [2.8.17] |
| Total Ash | Max 10.0% | Eur.Ph.7.0 [2.4.16] |
| Lead (Pb) | Max 3.0 ppm | Eur.Ph.7.0 <2.2.58> ICP-MS |
| Arsenic (As) | Max 2.0 ppm | Eur.Ph.7.0 <2.2.58> ICP-MS |
| Cadmium (Cd) | Max 1.0 ppm | Eur.Ph.7.0 <2.2.58> ICP-MS |
| Mercury (Hg) | Max 0.1 ppm | Eur.Ph.7.0 <2.2.58> ICP-MS |
| Solvents Residue | Meet Eur.Ph.7.0 <5.4> | Eur.Ph.7.0 <2.4.24> |
| Pesticides Residue | Meet USP Requirements | USP36 <561> |
| Total Plate Count | Max 10,000cfu/g | USP36 <61> |
| Yeast & Mold | Max 1000cfu/g | USP36 <61> |

| | | |
|-------------------|----------|------------|
| <i>E. Coli</i> | Negative | USP36 <62> |
| <i>Salmonella</i> | Negative | USP36 <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

Raspberry Extract Raspberry Ketone 20%

Labeling

In the United States and the European Union: Raspberry Extract

Applications

It is used in the modulation of food spices with the role of incense and sweeteners and can also be used in cosmetics and soap flavor.

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

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible.

Packaging, Storage & Shelf Life

| | |
|------------|--|
| Package | Packed in paper-drums and two plastic-bags inside. N.W:25kgs .I.D.35×H51cm; or according to customers' requirements. |
| Storage | Store in a well-closed container away from moisture, light and oxygen. |
| Shelf Life | 2 years under the conditions above and in its original packaging. |