

TECHNICAL DATA SHEET

Raspberry Extract

4:1

Chemical Properties

Plant source: *Rubus idaeus* L.

Used part: Fruit

Extract solvent: Water

Description

Raspberries containsignificant amounts of polyphenol antioxidants such as anthocyanin pigmentslinked to potential health protection against several human diseases.Theaggregate fruit structure contributes to its nutritional value, as it increasesthe proportion of dietary fiber, placing it among plant foods with the highestfiber contents known, up to 20% fiber per total weight.

Solubility

Soluble in water.

Specification

Item	Specification	Test Method
Appearance	Purple red fine powder	Visual
Odor & Taste	Characteristic	Organoleptic
Identification(TLC)	Identical to <i>R.S.</i> sample	In-house
Extract ratio	4:1	In-house
Particle Size	Min 95% pass through 80 mesh	80 Mesh Screen
Loss on Drying	Max 5.0%	GB5009.3
Ash	Max 5.0%	GB5009.4
Heavy Metal	Max 10ppm	GB/T5009
Arsenic	Max 1ppm	GB/T5009
Lead	Max 1ppm	GB/T5009
Cadmium	Max 1ppm	GB/T5009
Mercury	Max 0.1ppm	GB/T5009
Pesticide Residues		
DDT	Max 0.01ppm	SN/T0145-2010
BHC	Max 0.01ppm	SN/T0145-2010
PCNB	Max 0.02ppm	SN/T1957-2007
Methamidophos	Max 0.02ppm	SN/T4254-2015
Parathion	Max 0.01ppm	SN/T4254-2015
Total Plate Count	Max 1000cfu/g	GB4789
Total Yeast & Mold	Max 100cfu/g	GB4789

<i>E. Coli</i>	Negative	GB4789
<i>Salmonella</i>	Negative	GB4789
<i>Staphylococcus aureus</i>	Negative	GB4789

Ingredients

Raspberry Extract 4:1

Labeling

In the United States and the European Union: Raspberry Extract

Applications

Applied in food field, in health product field, and in pharmaceutical field.

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	25kg /fibre drum;or according to customers' requirements.
Storage	Store in sealed containers at cool & dry place.Protect from light, moisture and pest infestation.
Shelf Life	2 years when sealed and stored properly.