

TECHNICAL DATA SHEET

Elderberry Extract

10:1

Chemical Properties

Plant source: *Sambucus nigra* L

Used part: Flower

Extract solvent: Water

Drying Method: Spray drying

Description

Sambucus nigra is a species complex of flowering plants in the family Adoxaceae. Elderberry extract is derived from *Sambucus nigra*.

Solubility

Partly soluble in water.

Specification

Item	Specification	Test Method
Appearance	Yellow-brown fine Powder	Visual
Odor & Taste	Characteristic	Organoleptic
Identification(TLC)	Identical to R.S. sample	In-house
Extract Ratio	10:1	In-house
Particle Size	Min 98% pass through 80 mesh	80 Mesh Screen
Loss on Drying	Max 5.0%	5g/105°C/2hrs
Bulk Density	40~60g/100mL	CP2010
Total Heavy Metals	Max 20ppm	Burning(3g/520°C/5hrs)
Arsenic	Max 2ppm	Atomic Absorption
Lead	Max 2ppm	Atomic Absorption
Total Plate Count	Max 1000cfu/g	CP2010
Total Yeast & Mold	Max 100cfu/g	CP2010
<i>E.Coli</i>	Negative	CP2010
<i>Salmonella</i>	Negative	CP2010
<i>Staphylococcus</i>	Negative	CP2010

Ingredients

Elderberry Extract 10:1.

Labeling

In the United States and the European Union: Elderberry 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 /drum, packed in paper-drums and two plastic-bags inside; or according to customers' requirements.
Storage	Store in a well-closed container away from moisture and direct sunlight.
Shelf Life	2 years when sealed and stored properly.