

## TECHNICAL DATA SHEET

# Elderberry Extract

## 20:1

### Chemical Properties

Botanical Source: *Sambucus nigra* L.

Part Used: Fruit

Extract Solvents: Ethanol & Water

### 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	Light yellow fine Powder	Visual
Odor & Taste	Characteristic	Organoleptic
Identification	Identical to R.S. sample	In-house
Extract Ratio	20:1	In-house
Ash	Max 10.0%	Eur.Ph.7.0 [2.4.16]
Loss on Drying	Max 5.0%	Eur.Ph.7.0 [2.8.17]
Particle Size	100% Through 80 mesh	USP34<786>
Bulk Density	0.40~0.60g/ml	Eur.Ph.7.0 [2.9.15]
Tapped Density	0.60~0.90g/ml	Eur.Ph.7.0 [2.9.15]
Lead	Max 3.0ppm	Eur.Ph.7.0<2.2.58>ICP-MS
Arsenic	Max 2.0ppm	Eur.Ph.7.0<2.2.58>ICP-MS
Cadmium	Max 1.0ppm	Eur.Ph.7.0<2.2.58>ICP-MS
Mercury	Max 0.1ppm	Eur.Ph.7.0<2.2.58>ICP-MS
Residual Solvents	Meet Eur.Ph.7.0 <5.4>	Eur.Ph 7.0<2.4.24>
Pesticides Residue	Meet USP34<561>	USP34<561>
Total Plate Count	Max 1000cfu/g	USP34 <61>
Yeasts & Molds	Max 100cfu/g	USP34 <61>
<i>E.Coli</i>	Negative	USP34 <62>
<i>Salmonella</i>	Negative	USP34 <62>
<i>Staphylococcus aureus</i>	Negative	USP34 <62>

## Regulatory Information

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

## Country of Origin

China

## Ingredients

Elderberry Extract 20:1.

## 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;or according to customers' requirements.
Storage	Store in a well-closed container away from moisture and direct sunlight.
Shelf Life	2 years if sealed and stored properly.