

## TECHNICAL DATA SHEET

# Senna Leaf Extract

## 4.0% Sennosides HPLC

### Chemical Properties

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Plant source: *Cassia angustifolia*

Used part: Leaf

Extract Solvent: Ethanol & Water

### Description

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Senna because of their cathartic properties have traditionally been considered a "clean" herbs. More modern studies have shown that Senna in the treatment of constipation is very effective. Leaves and pods or fruit can be used for medicine.

### Solubility

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It is difficult to dissolve in water.

### Specification

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Item	Specification	Test Method
Appearance	Brown Fine Powder	Organoleptic
Odor	Characteristic	Organoleptic
Identification	Identical to R.S. sample	HPTLC
Sennosides	Min 4.0%	HPLC
Loss on Drying	Max 5.0%	Eur.Ph.7.0 [2.8.17]
Total ash	Max 10%	Eur.Ph. <2.4.16>
Sieve analysis	98% through 80 mesh	USP <786>
Bulk density	40~60g/100mL	Eur.Ph. <2.9.34>
Tapped density	60~90g/100mL	Eur.Ph. <2.9.34>
Solvents Residue	Meet Eur.Ph.7.0 <5.4>	Eur.Ph. <2.4.24>
Lead	Max 3.0ppm	Eur.Ph. <2.2.58>ICP-MS
Arsenic	Max 2.0ppm	Eur.Ph. <2.2.58>ICP-MS
Cadmium	Max 1.0ppm	Eur.Ph. <2.2.58>ICP-MS
Mercury	Max 0.1ppm	Eur.Ph. <2.2.58>ICP-MS
Non-Irradiation	Max 700	EN13751:2002<PSL>
Total Aerobic Count	Max 10,000cfu/g	USP36 <2021>
Yeast & Mold	Max 1,000cfu/g	USP36 <2021>
<i>E.Coli</i>	Negative	USP36 <2022>
<i>Salmonella</i>	Negative	USP36 <2022>

## Functions

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- 1) With the function of laxation;
- 2) With the function of relaxating muscle;
- 3) With the function of antibacterial, such as inhibiting staphylococcus aureus, salmonella typhi and Escherichia coli;
- 4) With the function of stop bleeding, increasing platelet and fibrinogen

## Applications

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

## Safety

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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

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Wash thoroughly after handling. Use only in a well-ventilated area. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

## Packaging, Storage & Shelf Life

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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, light, oxygen.
Shelf Life	2 years if sealed and stored properly.