



Technical Data Sheet

Product Name: Thaumatocin

Botanical source: *Thaumatococcus daniellii*

Specification: 93%

CAS Number: 53850-34-3

Grade: Food grade

Part used: Aril

Appearance: Cream to light brown powder



Product Definition:

Protein Thaumatocin I and Thaumatocin II, obtained by aqueous extraction (pH2.5-4.0) of the arils of the fruit of *Thaumatococcus daniellii* (Benth), together with minor amounts of plant constituents derived from the source material.

Technical specification:

ITEM	SPECIFICATION
Appearance	Cream to light brown powder
Identification	Pass ID test
Odor	Characteristic
Taste	Sweet
Thaumatocin content	≥ 93%
Total nitrogen (dry weight basis)	≥ 15.1%
Specific absorption (dry weight basis)	More than 1.15 for a 0.1 w/v solution in water through 1 cm, at wavelength of peak absorption around 279nm
Sulfated ash (inorganic impurity) (dry weight basis)	≤ 2.0%
Carbohydrates (dry weight basis)	≤3.0%
Heavy Metals	
Aluminum (Al)	≤100ppm
Lead (Pb)	≤3ppm



Arsenic (As)	≤2ppm
Microbiological Analysis	
Total Plate Count	≤1000cfu/g
Yeast & Mold	≤100cfu/g
Coliform	≤3MPN/g
E.Coli	Negative/10g
Salmonella	Negative/25g
Staphylococcus aureus	Negative/10g

Packaging Details:

Package: 1kg/bag.

Shelf life: 24 months when properly stored.

Storage: Store in cool & dry place, do not freeze, and keep away from direct strong light.

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