TECHNICAL DATA SHEET

Beta-Ecdysone (98%)

Cyanotis arachnoidea Extract | Beta-Ecdysone ≥ 98.00% (HPLC) | Food Grade

This Technical Data Sheet is issued by KEEP INGREDIENTS CO. LTD for the evaluation of the product described herein. The supplier and the customer undertake to maintain the CONFIDENTIAL information contained or enclosed in this document.

1. PRODUCT DESCRIPTION & INFORMATION

Product Description

Beta-Ecdysone (Ecdysterone / 20-Hydroxyecdysone) is a naturally occurring ecdysteroid extracted from the herbs of Cyanotis arachnoidea C.B.Clarke. This product is a white crystalline powder standardised to a Beta-Ecdysone content of 98% by HPLC, produced by extraction with ethanol and water. It is suitable as an ingredient for dietary supplements and related food applications.

Product Information

Item	Information
Product name	Beta-Ecdysone (Cyanotis Arachnoidea Extract)
Product form	White crystal powder
Botanical source	Cyanotis arachnoidea C.B.Clarke
Part used	Herbs
Assay	Beta-Ecdysone ≥ 98.00% (HPLC)
Extract solvent	Ethanol & water
Grade	Food grade
Country of origin	China
Supplier	KEEP INGREDIENTS CO. LTD, Xi'an, Shaanxi, China
Shelf life	24 months when properly stored

2. PRODUCT SPECIFICATION

Item	Specification	Test Method
Appearance	White crystal powder	Visual
Odour	Characteristic	Organoleptic
Taste	Characteristic	Organoleptic
Beta-Ecdysone content	≥ 98.00%	HPLC
Loss on drying	≤ 3.0%	105°C / 3 h
Residue on ignition	≤ 1.0%	750°C / 5 h
Residual solvent (Ethanol)	≤ 500 ppm	GC
Arsenic (As)	≤ 5 ppm	AAS
Lead (Pb)	≤ 2 ppm	AAS
Cadmium (Cd)	≤ 1 ppm	AAS
Mercury (Hg)	≤ 0.5 ppm	AAS
Total plate count	≤ 1,000 CFU/g	CP 2010
Yeast & mould	≤ 100 CFU/g	CP 2010
Escherichia coli	Negative	CP 2010
Salmonella	Negative	CP 2010

Storage: store in a cool and dry place, keep away from strong light and heat. Shelf life: 24 months when properly stored.

3. CERTIFICATE OF ANALYSIS

Item	Information
Product name	Beta-Ecdysone (Cyanotis Arachnoidea Extract)
Latin name	Cyanotis arachnoidea C.B.Clarke
Part used	Herbs
Batch No.	KYBEC2026022501
Batch quantity	500 kg
Manufacturing date	Feb. 25th, 2026
Analysis date	Feb. 28th, 2026
Expiry date	Oct. 24th, 2028

Item	Specification	Result	Test Method
Appearance	White crystal powder	Complies	Visual
Odour	Characteristic	Complies	Organoleptic
Taste	Characteristic	Complies	Organoleptic
Beta-Ecdysone content (HPLC)	≥ 98.00%	98.12%	HPLC
Loss on drying	≤ 3.0%	2.00%	105°C / 3 h
Residue on ignition	≤ 1.0%	0.72%	750°C / 5 h
Extract solvent	Ethanol & water	Ethanol & water	—
Residual solvent (Ethanol)	≤ 500 ppm	Complies	GC
Arsenic (As)	≤ 5 ppm	Complies	AAS
Lead (Pb)	≤ 2 ppm	Complies	AAS
Cadmium (Cd)	≤ 1 ppm	Complies	AAS
Mercury (Hg)	≤ 0.5 ppm	Complies	AAS
Total plate count	≤ 1,000 CFU/g	Complies	CP 2010
Yeast & mould	≤ 100 CFU/g	Complies	CP 2010
Escherichia coli	Negative	Complies	CP 2010
Salmonella	Negative	Complies	CP 2010

Storage: store in a cool and dry place, keep away from strong light and heat.

Shelf life: 24 months when properly stored.

4. PRODUCT STATEMENTS

4.1 Botanical Source & BSE/TSE Statement

BOTANICAL SOURCE

This product is Beta-Ecdysone extracted from the herbs of Cyanotis arachnoidea C.B.Clarke, a plant-derived product. It contains no material of animal or ruminant origin and no material derived from, or exposed to, ruminants affected by or under quarantine for transmissible spongiform encephalopathy (TSE) / bovine spongiform encephalopathy (BSE). No material derived from specified risk materials (SRM) is used, and the product poses no BSE/TSE risk.

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4.2 Country of Origin

COUNTRY OF ORIGIN

The product is produced and packaged in China. Country of origin: China.

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5. HANDLING, STORAGE & TRANSPORT

Item	Information
Storage	Stored in sealed, cool and dry conditions, away from sunlight and high temperature.
Handling	Keep the package sealed after opening; minimize exposure to air and light.
Transport	Keep dry and away from direct sunlight; avoid high temperature and humidity.
Shelf life	24 months under standard storage conditions.

Safety notes: This product is a food raw material and not a medicine. Keep out of reach of children.

KEEP INGREDIENTS CO. LTD

Authorized signature & company stamp

This Technical Data Sheet is issued by KEEP INGREDIENTS CO. LTD and is valid together with the supplied Certificate of Analysis. The information given is based on our knowledge of the product at the time of publication and is given in good faith; it does not exempt the user from applying the regulations governing the use, storage and labelling of the product in their own country. A Material Safety Data Sheet (MSDS) is available upon request.