

Shefco Co., Ltd., Factory in Tochigi Raw Material Master Formula: Chlorella Fine Powder SH	Document No. SP-00-A-332	Revision 07
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# Raw Material Master Formula

Product name: Chlorella Fine Powder SH  
(Version 07)

To: euglena Co., Ltd. (Consignor)



Shefco Co., Ltd., Factory in Tochigi (Trustee)

Person in charge of overall control	Person in charge of manufacturing control	Person in charge of quality control

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## 1 Product outline

### 1) Brief overview of formulation

Dosage form: Fine powder

Weight of content: 10.0 kg



### 2) Description/appearance of drug product

Shape: Fine powder

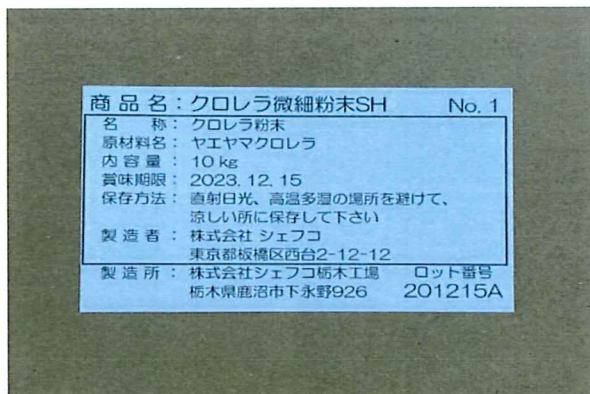
Color: Light green to green

Odor: Matcha (green-powdered tea)-like odor and characteristic odor of Chlorella

### 3) Product specifications

Product form: Bulk 10.0 kg/heat-sealed, double-layered plastic bag

Transport package: Bulk Cardboard e+



Outer package label



Outer package box

State of the contents



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## 2 Composition of basic ingredients

### 1) Basic ingredients

Name of basic ingredients	Raw material manufacturer	Admixed amount
Yaeyama Chlorella	euglena Co., Ltd.	100.000%
Total		100.000%
Standard yield		90% – 95%

## 3 Specifications and test methods for the basic ingredients and finished product

### 1) Basic ingredient tests and specifications

Name of basic ingredients	Item	Specifications	Test method
Yaeyama Chlorella 100%	Appearance (color)	Light green to green	Visual examination (compared with sample)
	Odor	Matcha (green-powdered tea)-like odor and characteristic odor of Chlorella	Sensory test
	Water	≤ 7%	Kett method (115°C, 20 min)
	Standard plate count	≤ 3000/g	Standard agar medium method
	Coliform bacteria	Negative	BGLB method

### 2) Product tests and specifications

Product name	Item	Specifications	Test method
Chlorella Fine Powder SH	Appearance (color)	Light green to green	Visual examination (compared with sample)
	Odor	Matcha (green-powdered tea)-like odor and characteristic odor of Chlorella	Sensory test
	Water	≤ 7%	Kett method (115°C, 20 min)
	Standard plate count	≤ 3000/g	Standard agar medium method
	Coliform bacteria	Negative	BGLB method
	Particle size distribution	90% pass through a 500 mesh (rough standard)	Laser diffraction and scattering method

#### Storage method/place of storage of the sample used for bacterial testing

- Stored at room temperature in the sample storage room

#### Shelf-life of the sample used for bacterial testing

- 3 years from the day of manufacture (pulverization)

#### Amount of the sample collected for bacterial testing

- 50 g

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#### 4 Material specifications and test methods

##### 1) Pulverized bulk (product)

Material name	Material manufacturer	Supplier	Specifications	Test items
Plastic bag	Star plastic industry Co., Ltd.	Provision	0.07 × 600 × 1000	Appearance and dimensions
Outer package (cardboard)	Taishohiki Co., Ltd.	Provision	Our company's e+ box (W321 × 316 × 335)	Appearance and dimensions

#### 5 Product weight specifications

##### 1) Weight and specifications

Item	Standard weight (filling + material)	Displayed content
1 box	10.95 kg (10.04 kg × 0.91kg)	10 kg

#### 6 Expiry date display specifications

##### 1) Displayed content/position

Inner bag --- none

Outer package box --- Product name/Name/Raw material name/Content/Expiry date/Storage method/Manufacturer/LOT

##### 2) Displayed expiry date

Expires 3 years after the day of manufacture (when stored in an unopened state)

##### 3) Display example

#### Product name: Chlorella Fine Powder SH

Name	: Chlorella Powder
Raw material name	: Yaeyama Chlorella
Content	: 10 kg
Expiry date	: 03. 22. 2019
Storage method	: Do not store in a place exposed to direct sunlight, heat, or humidity Store in a cool place
Manufacturer	: Shefco Co., Ltd.  926 Shimonagano, Kanuma-shi, Tochigi Prefecture, Japan

LOT: 160322A

No. 1



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7 Manufacturing process

Standard charge-in quantity : The standard charge-in quantity of the contents of 1 lot of this product is set at 400 kg (can vary depending on the amount delivered).

Name of basic ingredients	Raw material manufacturer	Blending ratio	Standard charge-in quantity
Yaeyama Chlorella	euglena Co., Ltd.	100%	400 kg
Total		100%	400 kg

\*Standard yield (percentage of the quantity produced compared with that of the charge-in quantity) 90% - 95%

Material name	Material manufacturer	Specifications	Number of material used for in-charge quantity
Plastic bag	Star plastic industry Co., Ltd.	0.07 × 600 × 1000	80 bags
Outer package (cardboard)	Taishoshiki Co., Ltd.	Our company's e+ box (W321 × 316 × 335)	40 boxes

Manufacturing process chart	Inserted basic ingredients	Conditions and equipment
<p>Confirmation of raw material and other materials</p> <p>Inserted</p> <p>Metal removal</p> <p>Pulverization</p> <p>Sieve (40 mesh)</p> <p>Metal removal</p> <p>In-process inspection</p> <p>Product testing (Product safety control room)</p> <p>Weighing (10.0 ± 0.04 kg)</p> <p>Metal detection</p> <p>Storage</p>	Yaeyama Chlorella	<p>[Pulverization process]</p> <p>Raw material name, raw material manufacturer, lot number, and quantity Certificate of analysis issued for the acceptance test Inserted while checking whether the raw material contains any foreign body</p> <p>1 Tesla magnet (10000 Gauss) × 3</p> <p>Fine impact mill [model number: ACM-30] produced by HOSOKAWA MICRON CORPORATION Sorting 52~58 Hz Air volume slightly less than 1/2 Quantitative determination 2~6 Hz</p> <p>It is checked every 4 hours whether there is any foreign body on the sieve</p> <p>1 Tesla magnet (10000 Gauss) × 5 It is checked every 4 hours whether there is any foreign body by removing the matter attached to the magnet</p> <p>[Control items] Product testing frequency: Particle size distribution is checked every 4 hours Appearance (color): Light green to green Particle size: 90% pass through a 500 mesh (rough standard)</p> <p>[Items checked during product testing] Product testing frequency: 1, 5, 10, 20, 30... (box units) Appearance (color): Light green to green Odor: Matcha (green-powdered tea)-like odor and characteristic odor of Chlorella Water: ≤ 7% Standard plate count: ≤ 3000/g Coliform bacteria: Negative Particle size: 90% pass through a 500 mesh (rough standard)</p> <p>Inner packaging: Double-layered plastic bag/heat-sealed Outer package: Cardboard e+ Metal detector [ID-6035-PB/PB-190] produced by Ishida Co., Ltd. [Fe 2.0 mm, SUS 2.5 mm]</p> <p>Storage: Product warehouse</p>

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### 8 Record of revisions

Revised version No.	Prepared on	Approved on	Reason for the revision
	Prepared by	Approved by	
01	May 25, 2015 Toyama	May 25, 2015 Furuhashi	Document was newly prepared
02	March 30, 2016 Toyama	March 30, 2016 Furuhashi	Photos were attached to the product outline
03	May 23, 2016 Toyama	May 23, 2016 Furuhashi	5-3) Display example: Exposure to direct sunlight was added to the storage method column
04	March 08, 2019 Toyama	March 08, 2019 Kawashima	→e+(W321×316×335)
			→0.83kg
05	June 18, 2019 Sato	June 20, 2019 Kawashima	Change of the product summary attachment photograph
06	April 07, 2021 Tomiyama	April 07, 2021 Kawashima	Chlorella Fine Powder→Chlorella Fine Powder S
			Change of the product summary attachment photograph
07	September 14, 2021 Tomiyama	september 14, 2021 Kawashima	Piastic bag maker ,name,weight change

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