

# Zhuhai Protoga Biotech Co., Ltd

2nd Floor, Building1, No.30, Pingbei First Road, Nanping hi-tech Industrial Park,  
Xiangzhou District, Zhuhai City, China

## Product specification

Product name	XGLU™ <i>Euglena gracilis</i> powder
Source	100% comes from natural microalgae cell culture, with absolute biological safety.
Description	XGLU™ <i>Euglena gracilis</i> powder Complete is dried whole algae produced through a fermentation process using a proprietary strain of <i>Euglena gracilis</i> , can be used in dietary supplements functional food, cosmetic ingredients.
Regulatory	Have been Included in the New Resource Food catalogue
Storage	Tightly sealed and stored in cool and dry environment and protect from light
Shelf life	24Months, properly stored in original package.
Package size	5kg /Aluminium foil bag, 25kg/ Bucket

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	Item	Specification	Method
Physicochemical Indexes	Appearance	Yellow uniform powder	GB 19643.3
	Odor	The product has the inherent state and smell,	
		not rancid, not peculiar	
	Impurity	No visible impurity	GB 19643.3
	Protein	≥ 15.0%	GB 5009.5
	Crude polysaccharide	SN/T	
		≥ 50%	
Moisture	≤ 10.0%	GB 5009.3	
Ash	≤ 10.0%	GB 5009.4	
Microbiological Indexes	Total plate count	< 30000 CFU/g	GB 4789.2
	Coliforms	≤ 20 CFU/g	GB 4789.3
	E. coli	Negative/25g	GB 4789.38
	Mould & Yeast	≤ 300 CFU/g	GB 4789.15
	Staphylococcus aureus	Negative/25g	GB 4789.10
Salmonella	Negative/25g	GB 4789.4	
Heavy metal	Lead	≤ 1.0 mg/kg	GB 5009.12
	Arsenic	≤ 1.0 mg/kg	GB 5009.11

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Cadmium	≤ 1.0 mg/kg	GB 5009.15
Mercury	≤ 1.0 mg/kg	GB 5009.17

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## Declaration of compliance

We ,Protoga Biotech Co.,Ltd , hereby certify regarding the following,

### 1. HACCP

This product has been processed (after primary production) on processing plants which has implemented, and are maintaining, food hygiene procedures based on the HACCP principles as laid down by Codex Alimentarius 23, CXP 001e.

### 2. Laboratory Quality Control System

The reported analytical parameters are analyzed by laboratories with a documented quality control system, based on recognized principles for quality assurance of analytical laboratories.

### 3. Extraction Solvents - Purity

All extraction solvents are toxicology safe in any respect as per Directive (EC) No. 32/2009 (including amendments), specifically, for As and Pb, residues does not exceed 1mg/kg.

### 4. Extraction Solvents - MRLs

This product is subject to statistical quality control and does not contain any residual solvents exceeding the maximum residual limits set forth in Directive (EC) No. 32/2009 (including amendments).

### 5. GMO

This product does not need to be labelled regarding any genetic modification as per the GMO regulations (EC) 1829/2003 and 1830/2003 (including amendments).

### 6. Non-Irradiation

This product or any constituent thereof, is not-irradiated.

### 7. Pesticides

This product is subject to statistical quality control, and is free from pesticides as per regulation (EC) No. 396/2005 (including amendments).

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## 8. Allergens

This product is free from allergens as per Annex II of regulation (EC) No. 1169/2011 (including amendments).

## 9. Certain Contaminants in Food

The compliance with the regulations of EC No. 1881/2006 (including amendments) setting maximum levels for certain contaminants in foodstuffs (heavy metals, mycotoxins, PAHs, PCBs, and Dioxins) is guaranteed by suitable monitoring and examination.

## 10. PAH in Food Supplements

This product complies with the maximum level of polycyclic aromatic hydrocarbons (Benzoe(a)pyrene: 10.0ug/kg & PAH4:50.0ug/kg) set forth in regulation EC No. 1881/2006 (including amendments) regarding food supplements containing botanicals and their preparations.

## 11. Food Packaging Materials

The packaging material used for this product, within its complete life cycle, is in accordance with Regulations (including amendments) Nos.1935/2004/EC (on materials and articles intended to come into contact with food) and 10/2011/EU (on plastic materials and articles intended to come into contact with food). Likewise, the packing materials are produce according to the good manufacturing practice for materials and articles intended to come into contact with food (Regulation No. 2023/2006/EC – including amendments).

*The above standing statements refer exclusively to articles belonging to Raw Material list in reference and to articles as provided by our manufacturing plants in their original forms and with their packagings.*

*This product information is based on the present state of our knowledge at the time of publication and experience according to the current state of the art. We may modify this declaration any time, in particular in case of changes of applicable national and international regulations and laws, or new scientific findings. No responsibility or liability can be accepted for factors outside our knowledge and control. Guarantees of product characteristics must be expressly described in writing. No guarantee is given that the product is suitable for any particular application. Users remain solely responsible for assessing the suitability of the product for the intended application and compliance with legal requirements applying to such application.*