



FLYING SPARK

FEEDING THE WORLD WITHOUT CONSUMING THE EARTH

PRO-FFL PROTEIN POWDER

Sustainable alternative
protein from the
Oriental Fruit Fly
Larvae (*Bactrocera
Dorsalis*)





FLYING SPARK

FATTY ACIDS

Typical values

Palmitic	6
Palmitoleic	3
Oleic	5
Linoleic	1

%

VITAMINS

Typical values

Vitamin B1 (Thiamin)	920
Vitamin B2 (Riboflavin)	670
Vitamin B7 (Biotin)	34
Vitamin B9 (Folic acid)	40

MCG/100G

MINERALS

Typical values

Calcium	700
Magnesium	1,700
Phosphorous	2,000
Potassium	360
Sodium	40
Zinc	26
Iron	25

MG/100G

MICROBIOLOGY

CFU/G

Aerobic plate count	Max 100
Bacillus cereus	<10
Clostridium perfringens	<10
Coagulase positive staph.	<10
Escherichia coli	<10
Yeast plate count	<10
Molds plate count	<10

STORAGE AND SHELF LIFE



Recommended to store at ambient temperature in a dry area



The expiry date is the manufacturing date + 1 year



The manufacturing date mentioned on the package and the certificate of analysis



FLYING SPARK

PHYSICAL APPEARANCE

Off-white to light brown powder.
Enables incorporation of the powder into various food products, without affecting their appearance.

ALLERGENS DATA

People that have a crustacean or dust mite allergy may be allergic to fruit fly products.

NUTRITIONAL DATA %

Typical values

Protein (N x 6.25)	65
Fat	16
Saturated fat	7
Monounsaturated	7
Polyunsaturated fat	1.3
Total Trans fat	<0.1
Moisture	4
Carbohydrates	4
Ash	11
Cholesterol	ND
Gluten	ND

AMINO ACIDS %

Typical values - Essential AA

Arginine	5.3
Histidine	1.5
Isoleucine	2.8
Leucine	4.6
Lysine	4.4
Methionine	1.4
Phenylalanine	3.0
Threonine	2.6
Tryptophan	0.8
Valine	3.3
PDCAAS = 1	

Disclaimer: The product was manufactured in an R&D lab. Product specifications, limits, test methods and information included in this document are accurate to the best of our knowledge based on data from a limited number of batches. Flying Spark Ltd. Makes no warranty regarding the accuracy or completeness of the information contained in this document. These values are not intended to be used as a specification for a finished product and should be used only at the sole discretion of the purchaser. The appropriate use of this product is the sole responsibility of the user.

WHY SHIFTING TO FLYING SPARK'S ALTERNATIVE PROTEIN?



MINIMAL ECOLOGICAL FOOTPRINT

Flying Spark's cultivation technology saves 99% of water and land compared to traditional livestock farming, with zero methane gas emissions and minimal waste.



BETTER THAN PLANT BASED PROTEIN

High-quality protein, containing 65% of whole protein, with all essential amino acids. Extremely rich in minerals, vitamins, good fatty acids and dietary fibers, with no cholesterol.



1 COW 1 SQM 1 MONTH

The lifespan of the larvae is just 7 days. During those days, the body mass multiplies by 250. Therefore we can produce a quantity equal to 300-400 kg of beef in 1 square meter every month!



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