

PRODUCT SPECIFICATION

of Nutrition for Sportsmen

Product name: Chimpanzee® Gunpowder

Producer: Penco s.r.o.
Nám. Krále Jiřího z Poděbrad 64
252 30 Řevnice
Czech Republic

Date: 25/08/2014

Applicant: Monkey Brothers s.r.o.
Milady Horákové 491/46
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Czech Republic

Notification Ministry of Health of the Czech Republic: MZČR on May 7, 2013,

Chimpanzee® Gunpowder is energy and rehydrating ionic drink with an increased content of glucose polymers (maltodextrins) and with isomaltulose (Palatinose™) for long-lasting load. Vitamin C contributes to the normal function of the immune system and to the reduction of tiredness and fatigue.

Chimpanzee® Gunpowder isotonic drink

- contributes to the maintenance of endurance performance during prolonged endurance exercise
- enhances the absorption of water during physical exercise

Flavours: lemon, wild cherry, grapefruit

Sensory analysis

Homogenous powder mixture. Colour, smell and taste correspond to the flavour variants.

a) Ingredients:

Gunpowder Lemon

Composition: maltodextrins, glucose, isomaltulose* (20%), sucrose, acidification: citric acid, calcium lactate, sodium citrate, sodium chloride, magnesium salts of citric acid, flavour, L-ascorbic acid, potassium citrate, potassium salts of orthophosphoric acid, potassium chloride.

* Isomaltulose is a source of glucose and fructose.

Gunpowder Wild Cherry

Composition: maltodextrins, glucose, isomaltulose* (20%), sucrose, acidification: citric acid, calcium lactate, flavour, natural coloring: beetroot juice powder, sodium citrate, sodium chloride, magnesium salts of citric acid, L-ascorbic acid, potassium citrate, potassium salts of orthophosphoric acid, potassium chloride.

* Isomaltulose is a source of glucose and fructose.

Gunpowder Grapefruit

Composition: maltodextrins, glucose, isomaltulose* (20%), sucrose, acidification: citric acid, calcium lactate, flavour, sodium citrate, sodium chloride, magnesium salts of citric acid, L-ascorbic acid, potassium citrate, potassium salts of orthophosphoric acid, potassium chloride, naringin, natural coloring: vitamin B₂ (riboflavin-5-phosphate).

* Isomaltulose is a source of glucose and fructose.

b) Content of active substances (average values) per 100g and in 1 portion

Nutritional Dates	pro 100g	% RI*/ 100g	1 portion 30g	% RI*/ 30g
Energy content	1600kJ	19	480kJ	5,7
	381kcal	19	114kcal	5,7
Fats from that saturated fatty acids	< 0,1g 0g	- -	< 0,1g 0g	- -
Saccharides from that sugars	90g 61g	35 68	27g 18g	10 20
Proteins	0g	-	0g	-
Salt	1,5g	25	0,45g	7,5
Vitamin C	270mg	338	81mg	101
Minerals				
Sodium	610mg	**	183mg	**
Potassium	240mg	12	72mg	4
Calcium	150mg	19	45mg	6
Magnesium	75mg	20	23mg	6
Chloride	620mg	77	186mg	23

RI - Reference Intake, * Reference intake of an average adult (8 400kJ/ 2 000kcal).

** RI not given

c) Source of active substances (average values) and excipients (average values) in 100 g:

Actives		pro 100g	Source	pro 100g
Fats from that saturated fatty acids	g g	< 0,1 0		
Saccharides from that sugars	g g	90,0 61,0	maltodextrins sucrose isomaltulose glucose	30,0 19,0 20,0 22,0
Vitamins				
C	mg	270	L-ascorbic acid	270
Minerals				
Na	mg	610	sodium citrate sodium chloride	1000 950
K	mg	240	potassium citrate potassium salts of orthophosphoric acid potassium chloride	300 300 150
Ca	mg	150	calcium lactate	1200
Mg	mg	75	magnesium salts of citric acid	500
Cl ⁻	mg	620	sodium chloride potassium chloride	

Excipients	Function	Source	g/ 100g
Citric acid	acidification	Citric acid anhydrous	3,0
Wild Cherry: Beetroot juice powder	colour	Beetroot juice powder	1,0
Grapefruit: Vitamin B ₂	colour	Riboflavin-5-phosphate	0,002
Grapefruit: naringin	aroma	naringin	0,05

Flavours	aroma	Natural and natural identical aroma	ad 100
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d) Chemical analysis

Legislation		Unit	Maximum limit
Commission Regulation (EC) No 629/2008	Lead	mg/kg	3,0
Commission Regulation (EC) No 629/2008	Cadmium	mg/kg	3,0
Commission Regulation (EC) No 629/2008	Mercury	mg/kg	0,1

e) Microbiological analysis

Legislation		Unit	Maximum limit
Internal guidelines	Total number microbes	/1g	$< 5 \cdot 10^4$
Internal guidelines	Coliform microbes	/1g	$< 10^2$
Internal guidelines	Moulds	/1g	$< 10^2$

No pathogenic or conditionally pathogenic microbes were found.

f) Additional substances content

Colourings – natural colour Beetroot juice powder (only Wild Cherry) and vitamin B₂ (only grapefruit)

Preservatives – not used

Sweeteners – not used

Allergen information: Produced in a facility that also processed gluten and egg white.

g) Shelf life - 24 months

h) Packaging container

30 g pack – layered foil for food. 30 g sachets packed in paper box.

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Ing. Dana Petříková

Development and technical control