

Nestlé Healthcare  
 Nutrition, Inc.  
 1200 Nestle Avenue  
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 Tele. (715) 839-9440  
 www.nestleusa.com



**CERTIFICATE OF ANALYSIS**  
**PEPTAMEN 1.5**

Manufacture Date: July 29, 2017

Expiration Date: July 29, 2018

Batch Code: 7PPU4457

Case Code: 7210572115

Evaluation	Units	Method	Analytical Result	Release Specifications		Label /100mL
				min	max	
Fat	g	Mojonnier	6	4.5	6.7	5.6
Protein	g	Kjeldahl	7	5.4	8.2	6.8
Total Solids	g/100g	Air Oven	29.5	28.4	30.2	-
Ash	g/100g	Furnace	1.00	-	-	-
Carbohydrate	g	Calculation	18	15	23	19
Calories	kcal	Calculation	154	122	184	153
Density	g/mL	Target 1.090	1.09	-	-	-
Calcium	mg	ICP - AES	112	80	120	100
Potassium	mg	ICP - AES	189	150	224	187
Sodium	mg	ICP - AES	110	82	124	103
Magnesium	mg	ICP - AES	41	32	48	40
Phosphorus	mg	ICP - AES	109	80	120	100
Chloride	mg	Potentiometric	188	140	210	175
Iron	mg	ICP - AES	3	2.4	3.6	3.0
Vitamin A (Retinol)	mcg	HPLC	190	124	221	130
Vitamin A (Beta-Carotene)	mcg	HPLC	~~	171	306	180
Vitamin C	mg	HPLC	166	50	188	45
Organoleptic, Appearance, Flavor, Aroma	-	Visual / Sensory	Approved	Not significantly different than reference		-
Microbiological	-	Incubation 30 C, 42 C & 55 C- (Plate count streak / pH)	Conform	Meets Nestec Sterility Assessment Release Norm		-

~~ The label claim for Vitamin A in this product is a combination of Vitamin A Retinol and Beta Carotene, referred to as Total Vitamin A. Vitamin A Retinol is tested on every batch of finished product; whereas, Beta Carotene is periodically tested. Therefore, release norms have been established for Total Vitamin A, as well as for Vitamin A Retinol and Beta Carotene separately. During routine testing of finished product, the Vitamin A Retinol result is compared to the Vitamin A Retinol release norm. During periodic testing, the Vitamin A Retinol result is compared to the Vitamin A Retinol release norm, the Beta Carotene result is compared to the Beta Carotene release norm, and the Retinol and Beta Carotene results are combined and compared to the Total Vitamin A release norm.

Authorization: Kim Aylesworth 10-09-17  
 Quality Manager Kim Aylesworth Date

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Evaluation	Units	Maximum Limit /100g	Analytical Results /100g
Absence of Insect Fragment	100g *	Absent	Conform
Absence of rodent pile	100g *	Absent	Conform
5 mite	100g *	5	Conform
Insoluble Sand / Ash in HCl	%	1.5	<1.01 **

\* 500g of product is tested to conform absence of foreign material

\*\* Based on measure of Total Ash

Authorization: Kim Aylesworth 10-09-17  
 Quality Manager Kim Aylesworth Date

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## Sample Analysis Report

### PEPTAMEN 1.5

Manufacture Date: July 29, 2017      Expiration Date: July 29, 2018  
 Batch Code: 7PPU4457  
 Case Code: 7210572115

Analysis:	Results	Units
<b>Coliform</b>		
Coliform @ 35C	<0.3	/ml
Coliform @45C	Absence	
<b>Bacillus Cereus</b>	<1	/ml
<b>Staphylococcus auerus</b>	Absence	
<b>Salmonella</b>	Absence	

### PEPTAMEN 1.5 Unflavored Recipe Symbol ACEL029-02

For the purpose of contaminant monitoring, products are grouped into families by recipes which have similar ingredients, ingredient usage rates and nutrient profiles. Each product family is tested for contaminants once over three calendar years.

Batch 617157211B, recipe symbol ACEL030-02, was tested within the last three calendar years, and is in the same product family as recipe symbol ACEL029-02:

Evaluation	Units	Maximum Limit /kg	Analytical Results /kg
Alfatoxin M1	mg	0.001	<0.0005
Arsenic	mg	0.04	<0.008
Cadmium	mg	0.02	<0.008
Lead	mg	0.02	<0.008
Mercury	mg	0.01	<0.004

Recipe symbol ACEL708 contains inulin, fructoligosaccharide, flavor and sweetener; ACEL029-02 does not. The testing can therefore be considered the worst case scenario, as the product tested contained additional ingredients than the product received by Brazil.

Batch 506657211B, recipe symbol ACEL029-02, was tested, and is in the same product family as recipe symbol ACEL029-02:

Evaluation	Units	Maximum Limit /kg	Analytical Results /kg
Alfatoxin B&G	mg	0.001	<0.000025

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