

Nestlé Healthcare  
 Nutrition, Inc.  
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Nestlé Health Science

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

1m-016451-17

Manufacture Date: December 22, 2017

Expiration Date: December 22, 2018

Batch Code: 7PPU5364

Case Code: 7356572115

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	29.4	28.4	30.2	-
Total Ash	g/100g	Furnace	1.00	-	-	-
Carbohydrate	g	Calculation	18	15	23	19
Calories	kcal	Calculation	153	122	184	153
Density	g/mL	Target 1.068 g/mL	1.09	-	-	-
Calcium	mg	ICP - AES	109	80	120	100
Potassium	mg	ICP - AES	196	150	224	187
Sodium	mg	ICP - AES	115	82	124	103
Magnesium	mg	ICP - AES	40	32	48	40
Phosphorus	mg	ICP - AES	105	80	120	100
Chloride	mg	Potentiometric	187	140	210	175
Iron	mg	ICP - AES	3	2.4	3.6	3.0
Vitamin A (Retinol)	IU	HPLC	203	124	221	130
Vitamin C	mg	HPLC	151	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: \_\_\_\_\_  
 Quality Manager Kim Aylesworth Date

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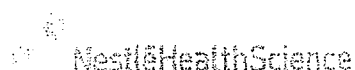
Evaluation	Units	Maximum Limit /100g	Analytical Results /100g
Absence of Insect Fragment	100g *	Absent	Conform
Absence of rodent pile	100g *	Absent	Conform
5 mite	100g *	5	Conform
Insoluble Sand / Ash in HCl	%	1.5	<1.0 **

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

\*\* Based on measure of Total Ash

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Quality Manager Kim Aylesworth Date

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## Sample Analysis Report

### PEPTAMEN 1.5

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Batch Code: 7PPU5364

Case Code: 7356572115

Analysis:	Results	Units
<b>Coliform</b>		
Coliform @ 35C	<0.3	/ml
Coliform @45C	Absence	/ml
<b>Bacillus Cereus</b>	<1	/ml
<b>Staphylococcus auerus</b>	Absence	cfu/ml
<b>Salmonella</b>	Absence	/25g

### PEPTAMEN 1.5 SpkeRht + ULRP 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.

Results declared in the Certificate of Analysis were obtained in the last produced batch that went through monitoring protocol.

Evaluation	Units	Maximum Limit /kg	Analytical Results /kg
Alfatoxin M1	mg	0.001	<0.0005
Arsenic	mg	0.06	<0.0004
Cadmium	mg	0.02	<0.002
Lead	mg	0.04	<0.002
Alfatoxin B&G	mg	0.051	<0.0005
Ocratozine A	mg	0.002	<0.0005
Deoxynivalenol	mg	0.158	<0.05
Fumonisina	mg	0.158	<0.05
Zearalenona	mg	0.024	<0.004

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 Quality Manager Kim Aylesworth      Date