

Nestlé Healthcare  
 Nutrition, Inc.  
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**CERTIFICATE OF ANALYSIS**  
**PEPTAMEN JUNIOR VANILLA**

Manufacture Date: December 1, 2017

Expiration Date: March 2, 2019

Batch Code: 7PJV5220

Case Code: 733557211D

Evaluation	Units	Method	Analytical Result	Release Specifications		Label /100mL
				min	max	
Fat	g	Mojonnier	3.9	3.0	4.6	3.8
Protein	g	Kjeldahl	3.0	2.4	3.6	3
Total Solids	g/100g	Air Oven	20.0	19.5	20.7	-
Ash	g/100g	Furnace	0.77	-	-	-
Carbohydrate	g	Calculation	13.6	11.2	16.8	14
Calories	kcal	Calculation	101.3	82	122	102
Density	g/mL	Target 1.061 g/mL	1.062	-	-	-
Calcium	mg	ICP - AES	117	90	134	112
Potassium	mg	ICP - AES	143	106	158	132
Sodium	mg	ICP - AES	50	37	55	46
Magnesium	mg	ICP - AES	19	16	24	20
Phosphorus	mg	ICP - AES	90	67	101	84
Chloride	mg	Potentiometric	117	86	130	108
Iron	mg	ICP - AES	2	1.1	2.0	1.4
Vitamin A (Retinol)	IU	HPLC	104	69.4	139	73
Vitamin C	mg	HPLC	32	12.0	40	10
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* 01-26-18  
 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	<0.77 **

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

\*\* Based on measure of Total Ash

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## Sample Analysis Report

### Peptamen Junior Vanilla

Manufacture Date: December 1, 2017      Expiration Date: March 2, 2019

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Case Code: 733557211D

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 JUNIOR VANILLA Recipe Symbol ACEL020-04

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	0.005	<0.0005
Arsenic	mg	0.05	0.003
Cadmium	mg	0.02	<0.002
Lead	mg	0.03	<0.002
Alfatoxin B&G	mg	0.005	<0.0005
Ocratozine A	mg	0.001	<0.0005
Deoxynivalenol	mg	0.100	<0.05
Fumonisin	mg	0.100	<0.05
Zearalenone	mg	0.015	<0.04

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