

Nestlé Healthcare  
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**CERTIFICATE OF ANALYSIS  
 PEPTAMEN JUNIOR VANILLA**

Manufacture Date: April 11, 2017

Expiration Date: July 11, 2018

Batch Code: 7PJV3753

Case Code: 710157211B

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	3.2	2.4	3.6	3
Total Solids	g/100g	Air Oven	20.3	19.5	20.7	-
Ash	g/100g	Furnace	0.75	-	-	-
Carbohydrate	g	Calculation	13.7	11.2	16.8	14
Calories	kcal	Calculation	102.6	82	122	102
Density	g/mL	Target 1.061 g/mL	1.063	-	-	-
Calcium	mg	ICP - AES	116	90	134	112
Potassium	mg	ICP - AES	139	106	158	132
Sodium	mg	ICP - AES	51	37	55	46
Magnesium	mg	ICP - AES	20	16	24	20
Phosphorus	mg	ICP - AES	90	67	101	84
Chloride	mg	Potentiometric	118	86	130	108
Iron	mg	ICP - AES	1.5	1.1	2.0	1.4
Vitamin A (Retinol)	IU	HPLC	94	69.4	139	73
Vitamin C	mg	HPLC	23	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.

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Authorization: *Kim Aylesworth* 05-24-17  
 Quality Manager Kim Aylesworth

Date

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## Sample Analysis Report

### Peptamen Junior Vanilla

Manufacture Date: April 11, 2017 Expiration Date: July 11, 2018

Batch Code: 7PJV3753

Case Code: **710157211B**

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

Batch 311857212B, recipe symbol ACEL033-02, was tested within the last three calendar years, and is in the same product family as recipe symbol ACEL020-04:

Evaluation	Units	Maximum Limit /kg	Analytical Results /kg
Aflatoxin M1	mg	0.004	<0.000005
Arsenic	mg	0.15	0.005
Cadmium	mg	0.07	<0.002
Lead	mg	0.2	<0.002
Mercury	mg	0.05	0.001

Recipe symbol ACEL033-02 contains fiber, inulin, and fructooligosaccharide. ACEL020-04 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 506357211B, recipe symbol ACEL020-4, was tested

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

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**\*Original Document\***

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