

Nestlé Healthcare
 Nutrition, Inc.
 1200 Nestle Avenue
 Eau Claire, WI 54703
 Tele. (715) 839-9440
 www.nestleusa.com



CERTIFICATE OF ANALYSIS
Peptamen 1.5

Manufacture Date: November 10, 2023

Expiration Date: February 8, 2025

Case Code: 33145721E2

Evaluation	Units	Method	Analytical Result	Release Specifications		Label /100mL
				min	max	
Total Solids	g/100g	Air Oven	29	28	31	-
Protein	g	Kjeldahl	7.0	5.4	7.5	6.8
Fat	g	Mojonnier	5.6	4.5	6.4	5.6
Ash	g/100g	Furnace	1.00	-	-	-
Carbohydrate	g	Calculation	16.20	-	-	-
Calories	kcal	Calculation	149	135	180	150
Density	g/mL	Target 1.061g/mL	1.09	-	-	-
Chloride	mg	Potentiometric	184	144	270	180
Calcium	mg	ICP - AES	108	80	140	100
Iron	mg	ICP - AES	2.93	2.08	3.40	2.6
Potassium	mg	ICP - AES	247	172	280	215
Magnesium	mg	ICP - AES	45	34	50	42
Sodium	mg	ICP - AES	90	72	108	90
Phosphorus	mg	ICP - AES	103	80	125	100
Vitamin C	mg	HPLC	59	26	81	20
Vitamin A (Retinol)	mcg	HPLC	180	130	222	130
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:  01-17-2024
 EC Quality Manager Aude Bourguignon 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	<0.95 **

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

** Based on measure of Total Ash

Batches 33145721E1 & 33145721E2 passed routine microbiological testing as described in the certificate of analysis. The following Coliform parameters have not been specifically tested for 33145721E1 & 33145721E2, however these batches were processed per schedule and the history of our results for Peptamen 1.5 in Tetra Pak 250mL show the following limits are consistently met:

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

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PEPTAMEN 1.5 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	0.0005	<0.0005
Arsenic	mg	0.04	0.003
Cadmium	mg	0.02	<0.001
Lead	mg	0.02	<0.001
Alfatoxin B&G	mg	0.0008	<0.0005
Ocratozine A	mg	0.0011	<0.001
Deoxynivalenol	mg	0.107	<0.05
Fumonisin	mg	0.107	<0.05
Zearalenone	mg	0.016	<0.004

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