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AB 1334

HERO PRO LTD
182-184 HIGH STREET NORTH OFFICE 312B
E6 2JA London
WIELKA BRYTANIA

Issue date 12.06.2023

Analytical report AR-23-RE-049533-01

Sample code 122-2023-00072407

x	**Type of sample**	Whey Protein Isolate - 700g - Vanilla 005-32419-2991755
x	**Prescriber**	HERO PRO LTD
x	**Purchase order date**	02.06.2023
x	**Client Purchase order nr.**	02.06.2023
	Reception date	06.06.2023
	Transport by	Courier
	Sample condition	acceptable
	Transport condition	at ambient temp.
x	**Date of sampling**	02.06.2023
x	**Sampling Person**	Principal
x	**Type of sampling**	in accordance with the collection plan
x	**Purpose of the testing**	technological sample
	Client sample code	1000025049#100
x	**Best before date**	01/2025
x	**Batch number**	01/2025 LOT 1
x	**Production date**	01/2023
	Location of sampling	magazyn dystrybutora
	Number of tested samples	1
	Start analysis	06.06.2023
	End Analysis	10.06.2023

Results / Outcomes

UM276 **Aerobic plate count, Pour plate technique (A)**

Method PN-EN ISO 4833-1:2013-12+A1:2022-06, E-Cultural technique (non-chromogenic media)

Aerobic Plate Count 30°C	120	cfu/g

UM2PF **The presence of Salmonella spp., Breeding method with biochemical and serological confirmation (A)**

Method PN-EN ISO 6579-1:2017-04+A1:2020-09, D-Cultural technique (non-chromogenic media)

Salmonella	Not Detected	/25 g

UMIMW **Coagulase positive Staphylococcus D Abs Pres /1 g ISO 6888-3 (A)**

Method PN-EN ISO 6888-3:2004+AC:2005, D-Cultural technique (MPN tubes)

Coagulase positive Staphylococcus	Not Detected	/1 g

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UMLS5	**The presence of presumptive Escherichia coli, Breeding method with biochemical confirmation (A)**		
Method	PN-ISO 7251:2006, D-Cultural technique (non-chromogenic media)		
Escherichia Coli		Not Detected	/1 g
ZM02A	**Yeasts & Moulds E [PB/MBK/40] <10 >1 500 000 /g (1-4) PYM-PF 3M™ Petrifilm™ Rapid Yeast and Mold Cou (A)**		
Method	PB/MBK/40 issue 01 of 13.12.2017		
Yeasts & Moulds		< 10	cfu/g

A = Method accredited
x = Data provided by the customer

Ewa Drwięga

Authorized by:
Anna Broda-Cnota - Laboratory Manager – Microbiology Department

Approved by: Ewa Drwięga
Analytical Service Manager

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- END OF REPORT -

AB 079

TEST REPORT NO 697864/23/GDY

Client	Sample (according to declaration of Client)
MARCIN SZCZEPANIK MUSCLE POWER KRAKOWSKA 45/86/87A 42202 CZĘSTOCHOWA	Sample description: Whey Protein Isolate - 700g - Vanilla Batch: 31207L1 Expiry date: 31.08.2025

Sample reception date:	**04.01.2024**	Sample status: no objections
Start of analysis	**05.01.2024**	
End of analysis	**16.01.2024**	Sample received from the Client
Test report date	**16.01.2024**	

Test Method	Unit	Result	Criteria	Statement of conformity
* Protein (N*6.25) on dry matter Calculated	%	83,0 ± 2,5	-	-
* Moisture PB-285 ed. I of 26.09.2014 p. 1	%	5,2 ± 0,4	-	-
* Protein (N*6.25) PB-116 ed. III of 11.08.2020	%	78,7 ± 2,4	-	-
* Proteinogenic amino acids [2] PB-53/HPLC ed. II of 30.12.2008				
Aspartic acid	%	8,72 ± 1,40	-	-
Glutamic acid[3]	%	15,4 ± 2,5	-	-
Serine	%	4,31 ± 0,69	-	-
Histidine	%	1,55 ± 0,25	-	-
Glycine	%	1,63 ± 0,26	-	-
Arginine	%	2,08 ± 0,33	-	-
Threonine	%	5,72 ± 0,92	-	-
Alanine	%	4,43 ± 0,71	-	-
Proline	%	5,53 ± 0,88	-	-
Tyrosine	%	2,40 ± 0,38	-	-
Valine	%	4,67 ± 0,75	-	-
Methionine	%	2,07 ± 0,33	-	-
Cysteine	%	2,21 ± 0,35	-	-
Isoleucine	%	5,09 ± 0,81	-	-
Leucine	%	9,22 ± 1,48	-	-
Phenylalanine	%	2,66 ± 0,43	-	-
Lysine	%	8,25 ± 1,32	-	-
* Free proteinogenic amino acids [1] [4] PB-53/HPLC ed. II of 30.12.2008				

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Aspartic acid	%	< 0,005 (0,005 ± 0,001)	-	-
Glutamic acid	%	< 0,005 (0,005 ± 0,001)	-	-
Serine	%	< 0,005 (0,005 ± 0,001)	-	-
Histidine	%	< 0,005 (0,005 ± 0,001)	-	-
Glycine	%	< 0,005 (0,005 ± 0,001)	-	-
Arginine	%	< 0,005 (0,005 ± 0,001)	-	-
Threonine	%	< 0,005 (0,005 ± 0,001)	-	-
Alanine	%	< 0,005 (0,005 ± 0,001)	-	-
Proline	%	< 0,005 (0,005 ± 0,001)	-	-
Tyrosine	%	< 0,005 (0,005 ± 0,001)	-	-
Valine	%	< 0,005 (0,005 ± 0,001)	-	-
Methionine	%	< 0,005 (0,005 ± 0,001)	-	-
Cysteine	%	< 0,005 (0,005 ± 0,001)	-	-
Isoleucine	%	< 0,005 (0,005 ± 0,001)	-	-
Leucine	%	< 0,005 (0,005 ± 0,001)	-	-
Phenylalanine	%	< 0,005 (0,005 ± 0,001)	-	-
Lysine	%	< 0,005 (0,005 ± 0,001)	-	-
* Tryptophan PB-136/HPLC ed. I of 06.02.2012	g/100 g	1,51 ± 0,21	-	-
* Free tryptophan [4)] PB-136/HPLC ed. I of 06.02.2012	g/100 g	< 0,001 (0,001 ± 0,001)	-	-

1) The composition of amino acids - the accreditation range from 0,005% to 10%.
Aspartic acid – the result is the sum of aspartic acid and its salts.
Glutamic acid – the result is the sum of glutamic acid and its salts.
Cysteine – the result is the sum of cystine and cysteine.

2) The composition of amino acids - the accreditation range from 0,005% to 10%.
Aspartic acid – the result is the sum of asparagine, aspartic acid and its salts.
Glutamic acid – the result is the sum of glutamine, glutamic acid and its salts.
Cysteine – the result is the sum of cystine and cysteine.

3) Parameter not included in the scope of accreditation.

4) The lower limit of the measuring range of the accredited method, which is also the limit of quantification set by the Laboratory.

Authorized by:
ID: 127, Analysis Expert, Vitamin Analysis Laboratory
ID: 434, Chemical Analysis Expert, Classical Analysis Laboratory
ID: 758, Analysis Expert, Vitamin Analysis Laboratory

The test report bears the certified electronic seal of J.S. Hamilton Poland Sp. z o.o.

Laboratory address:
Chwaszczyńska 180, 81-571 Gdynia

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* Test method accredited
# Test performed by external provider

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THE END OF THE REPORT

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