HAMILTON

AB 079

TEST REPORT NO 13145/26/GDY

Client **HERO PRO LTD** Office 312b, 182-184 High Street North E6 2JA London	Sample (according to declaration of Client) Sample description: Whey Protein Isolate - 1800g - Vanilla Batch: 51229L1 Production date: 08.01.2026 Expiry date: 31.08.2027
Sample reception date: **13.01.2026** Start of analysis **13.01.2026** End of analysis **28.01.2026** Test report date **28.01.2026**	Sample status: no objections Sample number: 13145/26/GDY Sample received from the Client

Test Method	Unit	Result
* Free proteinogenic amino acids [4) 5) 6) 7)] PB-53/HPLC ed. II of 30.12.2008		
Aspartic acid	%	< 0,005
Glutamic acid	%	< 0,005
Serine	%	< 0,005
Histidine	%	< 0,005
Glycine	%	< 0,005
Arginine	%	< 0,005
Threonine	%	< 0,005
Alanine	%	< 0,005
Proline	%	< 0,005
Tyrosine	%	< 0,005
Valine	%	0,005
Methionine	%	< 0,005
Cysteine	%	< 0,005
Isoleucine	%	< 0,005
Leucine	%	< 0,005
Phenylalanine	%	< 0,005
Lysine	%	< 0,005
* Proteinogenic amino acids [2) 3) 4) 5)] PB-53/HPLC ed. II of 30.12.2008		
Aspartic acid	%	8,53
Glutamic acid[1)]	%	15,3
Serine	%	4,39
Histidine	%	1,57
Glycine	%	1,52
Arginine	%	2,11

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Threonine	%	6,02
Alanine	%	4,55
Proline	%	5,13
Tyrosine	%	2,65
Valine	%	5,07
Methionine	%	1,96
Cysteine	%	1,31
Isoleucine	%	5,43
Leucine	%	9,40
Phenylalanine	%	2,73
Lysine	%	8,11
* Protein (N*6.25) on dry matter Calculated	g/100 g	84,8
* Moisture PB-285 ed. I of 26.09.2014 p. 1	g/100 g	6,0
* Protein (N*6.25) PB-116 ed. 4 of 30.12.2024	g/100 g	79,7
* Content of elements PN-EN 15763:2010		
Lead (Pb)	mg/kg	< 0,010
Arsenic (As)	mg/kg	< 0,010
Cadmium (Cd)	mg/kg	< 0,0010
Mercury (Hg)	mg/kg	< 0,0010
* Aerobic colony count at 30°C PN-EN ISO 4833-1:2013-12; PN-EN ISO 4833-1:2013-12/A1:2022-06	cfu/g	$1,1x10^3$
* Number of yeasts and moulds at 25°C PN-ISO 7954:1999 (withdrawn)	cfu/g	$<1,0x10^1$
* Presence of Escherichia coli in 1 g PN-ISO 7251:2006	in 1 g	Not detected
* Presence of coagulase-positive staphylococci (Staphylococcus aureus and other species) in 1 g PN-EN ISO 6888-3:2004; PN-EN ISO 6888-3:2004/AC:2005	in 1 g	Not detected
* Presence of Salmonella spp. in 25 g PN-EN ISO 6579-1:2017-04; PN-EN ISO 6579-1:2017-04/A1:2020-09	in 25 g	Not detected
* Presence of Listeria monocytogenes in 25 g PN-EN ISO 11290-1:2017-07	in 25 g	Not detected

1) Parameter not included in the scope of accreditation.

2) Aspartic acid – the result is the sum of asparagine, aspartic acid and its salts.

3) Glutamic acid – the result is the sum of glutamine, glutamic acid and its salts.

4) Cysteine – the result is the sum of cystine and cysteine.

5) The composition of amino acids - accredited measuring range: 0,005-10%.

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6) Glutamic acid – the result is the sum of glutamic acid and its salts.

7) Aspartic acid – the result is the sum of aspartic acid and its salts.

Test report authorized by:
ID: 101, Analysis Expert, Authorization Section
ID: 371, Senior Analysis Specialist, Spectrometry Laboratory
ID: 434, Analysis Expert, Authorization Section
ID: 455, Analysis Expert, Microbiology Laboratory
ID: 758, Analysis Expert, Authorization Section

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

Laboratory address:
Chwaszczyńska 180, 81-571 Gdynia

The results refer only to the samples received and tested. When a measurement uncertainty is given, it is an expanded uncertainty estimated for a coverage factor k=2 at 95% confidence level and is not including sampling uncertainty, unless otherwise stated. When the conformity is stated J.S. Hamilton Poland Sp. z o.o. applies the simple acceptance decision rule in accordance with ILAC-G8:09/2019, unless otherwise reported. If the "result" column contains a record: "<" or ">", it means, that it is the test outcome directly related to the lower or upper limit of the measuring range of the method. If an expanded measurement uncertainty is given for such a test outcome, it relates only to the lower or upper limit of the measuring range of the method, respectively. In the case where the Laboratory base on the obtained test outcome, "statement of conformity" column presents an opinion and interpretation. This test report may not be copied in part without the prior written permission of J.S. Hamilton Poland Sp. z o.o. The responsibility of J.S. Hamilton Poland Sp. z o.o. is limited solely to the data issued in its original. J.S. Hamilton Poland Sp. z o.o. does not permit the use of the PCA accreditation symbol AB 079 by customers, subcontractors, external service providers and other third parties. For further information please refer to the PCA document - DA-02. The service confirmed by this report is subject to the General Terms and Conditions of Services of J.S. Hamilton Poland Sp. z o.o. published on www.hamilton.com.pl.

* Test method accredited
# Test performed by external provider

THE END OF THE REPORT

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