HAMILTON

AB 079

REPORT OF ANALYSIS No. 497993/21/SGDY/Z1

Replaces Report of Analysis No. 497993/21/SGDY of 2021-09-10

Client **HERO PRO LTD** OFFICE 312B, 182-184 HIGH STREET NORTH E6 2JA LONDON	Sample description *(according to declaration of Client)* **Isolate 1800g** **Test on non-chocolate flavors** **Lot: 02/20023/LOT1**
Sample received: **2021-08-30**	**Sample without any visible damages**
Analysis completed (the date of performance of the laboratory activity): **2021-09-10**	**Order of 2021-08-30**
Report dated: **2021-09-21**	The samples were delivered by Client

Test	Method	Unit	Result	Criteria	Parameter compliant / non-compliant
* Protein (N*6,38)	PB-116 ed. III of 11.08.2020				
Protein (N*6,38) [1)2)]		%	82,2 ± 2,5	85±8	compliant
Protein (N*6,38) in dry matter [3)]		%	86,5 ± 2,6	-	-
* Moisture	PN-ISO 5550:2010	%	5,0 ± 0,4	-	-
* Proteinogenic amino acid	PB-53/HPLC ed. II of 30.12.2008				
Aspartic acid		%	8,48 ± 1,36	-	-
Glutamic acid		%	16,7 ± 2,7	-	-
Serine		%	4,54 ± 0,73	-	-
Glycine		%	1,58 ± 0,25	-	-
Histidine		%	1,62 ± 0,26	-	-
Arginine		%	2,01 ± 0,32	-	-
Threonine		%	6,57 ± 1,05	-	-
Alanine		%	4,73 ± 0,76	-	-
Proline		%	5,63 ± 0,90	-	-
Tyrosine		%	2,75 ± 0,44	-	-
Valine		%	5,46 ± 0,87	-	-
Methionine		%	2,05 ± 0,33	-	-
Cysteine		%	1,74 ± 0,28	-	-
Isoleucine		%	6,15 ± 0,98	-	-
Leucine		%	9,69 ± 1,55	-	-
Phenylalanine		%	2,84 ± 0,45	-	-
Lysine		%	8,72 ± 1,39	-	-
Protein	calculated	%	92,6 ± 14,8	-	-
* Tryptophan	PB-136/HPLC ed. I of 06.02.2012	g/100 g	1,37 ± 0,19	-	-
* Free proteinogenic amino acids	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	-	-

Authorized by: Dorota Ryszewska, Expert Analyst, Vitamin Analysis Laboratory
Ewa Ostrach - Grzybowska, Expert Analyst, Vitamin Analysis Laboratory
Sandra Gumowska, Expert Analyst, Classical Analysis Laboratory
Approved by: Hanna Wachowska, Laboratory Director *(Approved with electronic signature)*

Laboratory: Gdynia 81-571, Chwaszczyńska 180

The results relate to the analysed samples only. Unless otherwise specified given expanded measurement uncertainty was estimated for the coverage factor k=2 at 95% confidence level. Sampling uncertainty has not been taken into consideration. Unless otherwise specified when conformity is stated J.S. Hamilton Poland Sp. z o.o. applies the simple acceptance decision rule in accordance with ILAC-G8:09/2019. This Report cannot be reproduced partially without a prior written consent of J.S. Hamilton Poland Sp. z o.o. Responsibility of J.S. Hamilton Poland Sp. z o.o. is restricted exclusively to the results and statements presented in original copy of the Report. 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

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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	-	-
* Free tryptophan	PB-136/HPLC ed. I of 06.02.2012	g/100 g	< 0,001	-	-

[1)] Declaration on the label.

[2)] Guidance Document for competent authorities for the control of compliance with EU legislation on: Regulation (EU) No 1169/2011 of the European Parliament and of the Council of 25 October 2011 on the provision of food information to consumers, amending Regulations (EC) No 1924/2006 and (EC) No 1925/2006 of the European Parliament and of the Council, and repealing Commission Directive 87/250/EEC, Council Directive 90/496/EEC, Commission Directive 1999/10/EC, Directive 2000/13/EC of the European Parliament and of the Council, Commission Directives 2002/67/EC and 2008/5/EC and Commission Regulation (EC) No 608/2004 and Council Directive 90/496/EEC of 24 September 1990 on nutrition labelling of foodstuffs and Directive 2002/46/EC of the European Parliament and of the Council of 10 June 2002 on the approximation of the laws of the Member States relating to food supplements with regard to the setting of tolerances for nutrient values declared on a label, December 2012. Table 1.

[3)] Identification of the change: test method

[4)] Identification of change: Client details

THE END OF THE REPORT

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