REPUBLIKA SRBIJA
SP LABORATORIJA AD BEČEJ
MEMBER OF HAMILTON GROUP
Industrijska 3, 21220 Bečej

APPENDIX TO THE TEST REPORT
R23-19848 for sample R23085080

Order for analyses: / 29.08.2023

Sample number	R23085080
Sample name	*PERFIT (PF 220 GG, PF 220 GM, PF 220 EXTRA, PF 220, PF 225, PF 235, PF 245, PF 295, PF 295 AD)*
STATEMENT OF CONFORMITY PHYSICAL-CHEMICAL CONTAMINANTS/RESIDUES TESTING: Based on the results of the analyzed parameters sample is in compliance with art. 7 (Appendix no.2 perlit) Rulebook on auxiliaries in food production (Official Gazette of RS 18/2022).	

Predrag Vulićević MS
Specialist in Sanitary Chemistry

13.09.2023

By test report number R23-19848 sample was analyzed R23085080.

When providing statement of conformity, a binary (simple) decision rule with shared risk without guard band was applied. Decision rules are available on the website www.splaboratorija.rs/dokumenta in the document Decision rules (excerpt from POS 021 Reporting of results).

Statement:

1. This report shall not be multiplied, except in full, without approval of SP LABORATORIJA.
2. The test results refer only to the test sample.
3. The test results are applied only to the sample as received, except when the SP LABORATORIJA is responsible for the sampling phase.
4. SP LABORATORIJA is responsible for all data presented in the Test Report except for those obtained from the customers.
5. SP LABORATORIJA disclaims responsibility for the validity of the results for whose statements the data obtained from the customers have been used.
6. SP LABORATORIJA disclaims responsibility for statements of conformity issued on the basis of testing of aggregate samples at the request of the customer
7. Test location in SP LABORATORIJA: Industrijska 3, 21220 Bečej
8. According to art.25 Law on Business Company ("Official Gazette of RS", no. 36/2011, 99/2011, 83/2014 - other law, 5/2015, 44/2018, 95/2018, 91/2019 and 109/2021) test report and appendix to the test report is valid without a stamp

SP LABORATORIJA AD BEČEJ, 21220 BEČEJ, Industrijska 3, Republika Srbija
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OBR 130 Izdanje 14 od 30.05.2023.

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QS. Quality scheme for food.
www.q-s.de
Approved for residue monitoring fruit, vegetables, potatoes

Gafta APPROVED ANALYST

Member of FOSFA INTERNATIONAL

ATC 01-018
ЛАБОРАТОРИЈА ЗА ИСПИТИВАЊЕ ISO/IEC 17025

ilac-MRA

SP Laboratorija is GMP+ B11 registered laboratory under number GMP049738

TEST REPORT R23-19848 / R23085080
Sample number: R23085080

Applicant	TERMIKA DOO ZRENJANIN ZA PROIZVODNJU I PRERADU PERLITA I GRAĐEVINSKOG MATERIJALA ZRENJANIN, POŽEŠKA 4, Zrenjanin, Požeška 4
Order for analyses	/ 29.08.2023.
Sample name	PERFIT (PF 220 GG, PF 220 GM, PF 220 EXTRA, PF 220, PF 225, PF 235, PF 245, PF 295, PF 295 AD)
Required analyses	Analysis by client's request
Sampling data	Sampling was performed by SP LABORATORIJA representative, connection with Report of sampling number. 127509
Sample receiving date	29.08.2023.
Start testing date	29.08.2023.
End testing date	13.09.2023.
Date of issue of the report	13.09.2023.

By test report number R23-19848 sample was analyzed R23085080.

R23085080: PERFIT (PF 220 GG, PF 220 GM, PF 220 EXTRA, PF 220, PF 225, PF 235, PF 245, PF 295, PF 295 AD)

Identification:

Net quantity of delivered sample: 1 x 390 g
Sampling report number: 127509
Sample was delivered properly packed in closed non-original packaging
Place of sampling: Termika Doo, Požeška 4, Zrenjanin - warehouse GP
Date and time of sampling: 29.08.2023, 8.10 a.m.-08.40 a.m.
Sampling was carried out by representatives of SP Laboratory: Milorad Dudić
Method of sampling: MET 1010 - Guidelines on the method of sampling for analysis and superanalysis foods and items of general use (Official Gazette of SFRJ, no.60/78)

Data obtained from customer:
Production date: 23.08.2023. And shift
Expiry date: unlimited
30.08.2023. submitted supplement of sample in a quantity of 150g, submitted Report on sampling number 127513

Results of physical-chemical contaminants/residues testing:

Analysis	Result	Expanded measurement uncertainty 9)	Reference data	Methods	
Lead (Pb) [mg/kg]	0,7	± 0,18	max 10	SRPS EN 15763	ICP/MS
Arsenic (As) [mg/kg]	0,493	± 0,1233	max 10	SRPS EN 15763	ICP/MS
Cadmium (Cd [mg/kg]	< 0,01 2)	± 25%	-	SRPS EN 15763	ICP/MS
Mercury (Hg) [mg/kg]	< 0,01 2)	± 25%	-	SRPS EN 15763	ICP/MS

2)Limit of quantification (LOQ); 9)Extended measurement uncertainty is expressed as a combined standard measurement uncertainty increased by the coverage factor k = 2 for a confidence level of approximately 95%
Determination of metals and metalloids by SRPS EN 15763 is within the flexible scope of accreditation.

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OBR 103 Izdanje 22 od 22.05.2023.

Note:

Source of reference values: art. 7 (Appendix no.2 perlit) Rulebook on auxiliaries in food production (Official Gazette of RS 18/2022).

Dioxins/ Furans/ Dioxin-like PCB/ Non-dioxin-like PCB

Analysis	Result	Expanded measurement uncertainty 9)	Reference data	Methods	
2,3,7,8-TCDD [ng/kg]	< 0,05 2)	± 0,01	-	PB-408 ed.III	GC/HRMS
1,2,3,7,8-PeCDD [ng/kg]	< 0,05 2)	± 0,01	-	PB-408 ed.III	GC/HRMS
1,2,3,4,7,8-HxCDD [ng/kg]	< 0,05 2)	± 0,01	-	PB-408 ed.III	GC/HRMS
1,2,3,6,7,8-HxCDD [ng/kg]	< 0,05 2)	± 0,01	-	PB-408 ed.III	GC/HRMS
1,2,3,7,8,9-HxCDD [ng/kg]	< 0,05 2)	± 0,01	-	PB-408 ed.III	GC/HRMS
1,2,3,4,6,7,8-HpCDD [ng/kg]	< 0,05 2)	± 0,01	-	PB-408 ed.III	GC/HRMS
OCDD [ng/kg]	< 0,1 2)	± 0,02	-	PB-408 ed.III	GC/HRMS
2,3,7,8-TCDF [ng/kg]	< 0,05 2)	± 0,01	-	PB-408 ed.III	GC/HRMS
1,2,3,7,8-PeCDF [ng/kg]	< 0,05 2)	± 0,01	-	PB-408 ed.III	GC/HRMS
2,3,4,7,8-PeCDF [ng/kg]	< 0,05 2)	± 0,01	-	PB-408 ed.III	GC/HRMS
1,2,3,4,7,8-HxCDF [ng/kg]	< 0,05 2)	± 0,01	-	PB-408 ed.III	GC/HRMS
1,2,3,6,7,8-HxCDF [ng/kg]	< 0,05 2)	± 0,01	-	PB-408 ed.III	GC/HRMS
2,3,4,6,7,8-HxCDF [ng/kg]	< 0,05 2)	± 0,01	-	PB-408 ed.III	GC/HRMS
1,2,3,7,8,9-HxCDF [ng/kg]	< 0,05 2)	± 0,01	-	PB-408 ed.III	GC/HRMS
1,2,3,4,6,7,8-HpCDF [ng/kg]	< 0,05 2)	± 0,01	-	PB-408 ed.III	GC/HRMS
1,2,3,4,7,8,9-HpCDF [ng/kg]	< 0,05 2)	± 0,01	-	PB-408 ed.III	GC/HRMS
OCDF [ng/kg]	< 0,1 2)	± 0,02	-	PB-408 ed.III	GC/HRMS
WHO-PCDD/F-TEQ lower-bound* [ng/kg]	0	-	-	PB-408 ed.III	GC/HRMS
WHO-PCDD/F-TEQ medium-bound* [ng/kg]	0,07	± 0,011	-	PB-408 ed.III	GC/HRMS
WHO-PCDD/F-TEQ upper-bound* [ng/kg]	0,139	± 0,0210	max 0,75	PB-408 ed.III	GC/HRMS
PCB-081 [ng/kg]	< 0,05 2)	± 0,01	-	PB-408 ed.III	GC/HRMS
PCB-077 [ng/kg]	0,447	± 0,0892	-	PB-408 ed.III	GC/HRMS
PCB-126 [ng/kg]	< 0,05 2)	± 0,01	-	PB-408 ed.III	GC/HRMS
PCB-169 [ng/kg]	< 0,05 2)	± 0,01	-	PB-408 ed.III	GC/HRMS
PCB-123 [ng/kg]	< 10 2)	± 2	-	PB-408 ed.III	GC/HRMS
PCB-118 [ng/kg]	< 10 2)	± 2	-	PB-408 ed.III	GC/HRMS
PCB-114 [ng/kg]	< 10 2)	± 2	-	PB-408 ed.III	GC/HRMS
PCB-105 [ng/kg]	< 10 2)	± 2	-	PB-408 ed.III	GC/HRMS
PCB-167 [ng/kg]	< 10 2)	± 2	-	PB-408 ed.III	GC/HRMS
PCB-156 [ng/kg]	< 10 2)	± 2	-	PB-408 ed.III	GC/HRMS
PCB-157 [ng/kg]	< 10 2)	± 2	-	PB-408 ed.III	GC/HRMS
PCB-189 [ng/kg]	< 10 2)	± 2	-	PB-408 ed.III	GC/HRMS
WHO-dl-PCB-TEQ lower-bound* [ng/kg]	0	-	-	PB-408 ed.III	GC/HRMS
WHO-dl-PCB-TEQ medium-bound* [ng/kg]	0,004	± 0,0010	-	PB-408 ed.III	GC/HRMS
WHO-dl-PCB-TEQ upper-bound* [ng/kg]	0,008	± 0,0012	-	PB-408 ed.III	GC/HRMS

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OBR 103 Izdanje 22 od 22.05.2023.

Analysis	Result	Expanded measurement uncertainty [9]	Reference data	Methods	
WHO-PCDD/F-PCB-TEQ lower-bound* [ng/kg]	0	-	-	PB-408 ed.III	GC/HRMS
WHO-PCDD/F-PCB-TEQ medium-bound* [ng/kg]	0,074	± 0,0110	-	PB-408 ed.III	GC/HRMS
WHO-PCDD/F-PCB-TEQ upper-bound* [ng/kg]	0,147	± 0,0220	max 1	PB-408 ed.III	GC/HRMS
PCB-028 [µg/kg]	< 0,1 [2]	± 0,02	-	PB-408 ed.III	GC/HRMS
PCB-052 [µg/kg]	< 0,1 [2]	± 0,02	-	PB-408 ed.III	GC/HRMS
PCB-101 [µg/kg]	< 0,1 [2]	± 0,02	-	PB-408 ed.III	GC/HRMS
PCB-153 [µg/kg]	< 0,1 [2]	± 0,02	-	PB-408 ed.III	GC/HRMS
PCB-138 [µg/kg]	< 0,1 [2]	± 0,02	-	PB-408 ed.III	GC/HRMS
PCB-180 [µg/kg]	< 0,1 [2]	± 0,02	-	PB-408 ed.III	GC/HRMS
Sum of ndl-PCB (ICES-6) lower-bound* [µg/kg]	0	-	-	PB-408 ed.III	GC/HRMS
Sum of ndl-PCB (ICES-6) medium-bound* [µg/kg]	0,26	± 0,040	-	PB-408 ed.III	GC/HRMS
Sum of ndl-PCB (ICES-6) upper-bound* [µg/kg]	0,53	± 0,080	max 10	PB-408 ed.III	GC/HRMS

[2]Limit of quantification (LOQ); [9]Extended measurement uncertainty is expressed as a combined standard measurement uncertainty increased by the coverage factor k = 2 for a confidence level of approximately 95%

The test was performed within the scope of accreditation in the laboratory under accreditation number AB 079.

The result is calculated with regard to feed with moisture content 12%.

Source of reference values: Directive 2002/32/EC of the Europen Parliament ond of the council of 7 May 2002 on undesirable substances in animal feed, as amanded.

Results approved by:

Biljana Marošanović MS Spec. in Tox.Chemistry. Director of Instrumental Analysis Dpt	

Report approved by:

Predrag Vulićević MS, Specialist in Sanitary Chemistry	

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