



Task report

Analysis of the material PERFIT PF (220 GG, 220 GM, 220 EXTRA, 220, 225, 235, 245, 295)

Evidence code: 2131b-17/33931-20/23139

Customer: TERMIKA D.O.O. ZRENJANIN
POŽEŠKA 4
23000 ZRENJANIN, SRBIJA
Srbija

Request: E-mail, 04.03.2020

Contractor: Department for Environment and Health Maribor
Department for Chemical Analysis of Food, Water and Other Environmental Samples
Maribor
Department for Chemical Analysis of Food, Water and Other Environmental Samples
Novo mesto

Head of task: Lucija Smojver, univ. dipl. inž. kem. tehnol.

Sample caretaker: Lucija Smojver, univ. dipl. inž. kem. tehnol.

Maribor, 24.03.2020

Head of task:

Lucija Smojver, univ. dipl. inž. kem. tehnol.

Electronically signed Lucija Smojver, univ. dipl. inž. kem. tehnol. at 24.03.2020 14:10:28

Department for Environment and Health Maribor
Head of branch:

mag. Emil Žerjal, univ. dipl. inž. kem. tehnol.

The time of the certified signature of deputy and information about the certificate are shown at the top of the first page of the document.

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Sample information

Sample: Perfit (PF 220 GG, PF 220 GM, PF 220 EXTRA, PF 220, PF 225, PF 235, PF 245, PF 295, PF 295AD)
Sample number: 20/23139
Purpose: Analysis of samples of the customer
Customer: TERMIKA D.O.O. ZRENJANIN, POŽEŠKA 4, 23000 ZRENJANIN, SRBIJA, Srbija
Sample taken by: Naročnik/customer
Time of sampling:
Sample received by: Alenka Rožič
Place and time of receiving: Maribor, 05.03.2020 12:29

Purpose of the analysis

According to the request of the customer, we performed analyses of the Perfit (PF 220 GG, PF 220 GM, PF 220 EXTRA, PF 220, PF 225, PF 235, PF 245, PF 295, PF 295AD). Analytical results are assessed according to the request of the customer on the basis of the document: FEDIOL, Code of Practice on the purchase conditions of Fresh Bleaching Earth and Filter Aids for vegetable oils and fats refineries and integrated plants, 16 October 2013, Ref. 12SAF243.

Analytic results are enclosed.

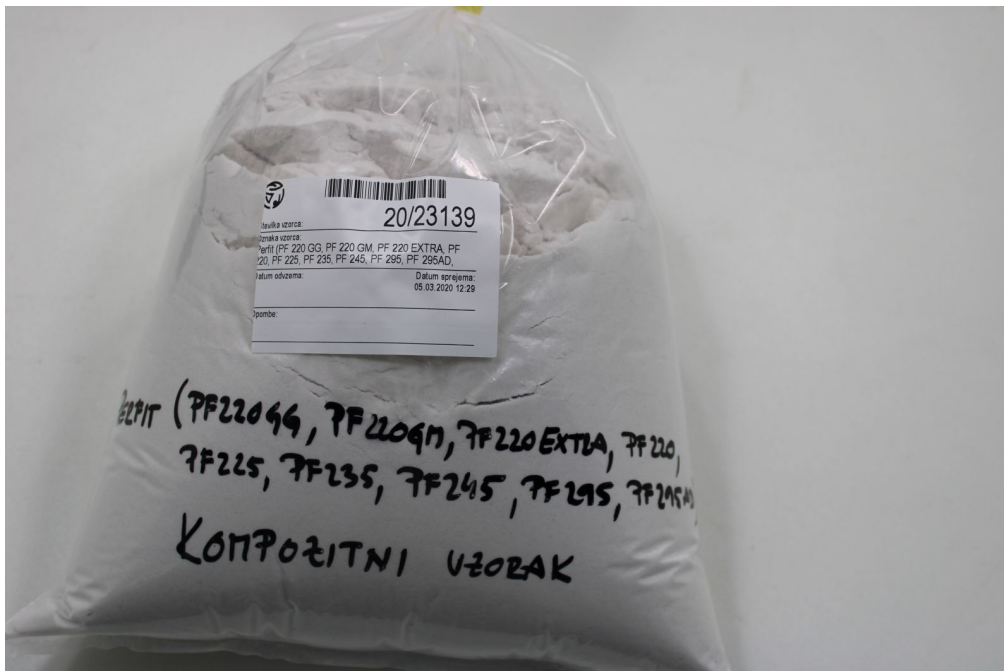
Opinion and assessment

According to the request of the customer the analytical results are assessed on the basis of the document: FEDIOL, Code of Practice on the purchase conditions of Fresh Bleaching Earth and Filter Aids for vegetable oils and fats refineries and integrated plants, 16 October 2013, Ref.

Measured concentrations of the requested parameters are taking into account the measurement uncertainty, lower than the recommended limit values given in the table of the clause II (Quality and safety criteria) from the document.



Photos of the sample



Report annexes:

Report of chemical analyses with evidence code 1011-17/33931-20/23139-K



Report of chemical analyses

Sample: Perfit (PF 220 GG, PF 220 GM, PF 220 EXTRA, PF 220, PF 225, PF 235, PF 245, PF 295, PF 295AD)
Sample number: 20/23139
Purpose: Analysis of samples of the customer
Title: Analysis of the material PERFIT PF (220 GG, 220 GM, 220 EXTRA, 220, 225, 235, 245, 295)
Head of task: Lucija Smojver, univ. dipl. inž. kem. tehnol.
Customer: TERMIKA D.O.O. ZRENJANIN, POŽEŠKA 4, 23000 ZRENJANIN, SRBIJA, Srbija
Request: E-mail, 04.03.2020
Sample status: The sample complies with criteria for the reception

Sampling **Sample receiving** **Issue date:** 24.03.2020
Date and hour: **Date and hour:** 05.03.2020 12:29
Taken by: Naročnik/customer **Received by:** Alenka Rožič

Data provided by a customer included in the test report are:
sample data, sampling data (the location of the sampling, the date and hour of the sampling, sampler).

Analytic results

Parameter	Result Note	Unit	Expressed as/on	Method Place of execution	Start/End
Dioxins (PCDD/PCDF)					
1,2,3,4,6,7,8,9-OCDD	1.0 ± 0.2	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 20.03.20
1,2,3,4,6,7,8,9-OCDF	0.9 ± 0.2	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 20.03.20
1,2,3,4,6,7,8-H7CDD	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 20.03.20
1,2,3,4,6,7,8-H7CDF	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 20.03.20
1,2,3,4,7,8,9-H7CDF	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 20.03.20
1,2,3,4,7,8-H6CDD	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 20.03.20
1,2,3,4,7,8-H6CDF	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 20.03.20
1,2,3,6,7,8-H6CDD	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 20.03.20
1,2,3,6,7,8-H6CDF	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 20.03.20
1,2,3,7,8,9-H6CDD	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 20.03.20
1,2,3,7,8,9-H6CDF	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 20.03.20
1,2,3,7,8-PCDD	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 20.03.20
1,2,3,7,8-PCDF	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 20.03.20
2,3,4,6,7,8-H6CDF	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 20.03.20



**NATIONAL LABORATORY OF
HEALTH, ENVIRONMENT AND FOOD**

CENTRE FOR CHEMICAL ANALYSIS OF FOOD,
WATER AND OTHER ENVIRONMENTAL SAMPLES

Evidence code: 1011-17/33931-20/23139-K

Analytic results

Parameter	Result Note	Unit	Expressed as/on	Method Place of execution	Start/End
2,3,4,7,8-PCDF	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 20.03.20
2,3,7,8 - TCDD	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 20.03.20
2,3,7,8-TCDF	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 20.03.20
Dioxins and furans - PCDD/PCDF (sum)	<0.05	ng/kg	TE	EPA 1613B, EPA 1668C: 2010, MB	16.03.20 20.03.20
PCB-105	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 23.03.20
PCB-114	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 23.03.20
PCB-118	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 23.03.20
PCB-123	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 23.03.20
PCB-126	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 23.03.20
PCB-156	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 23.03.20
PCB-157	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 23.03.20
PCB-167	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 23.03.20
PCB-169	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 23.03.20
PCB-189	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 23.03.20
PCB-77	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 23.03.20
PCB-81	<0.5	ng/kg		EPA 1613B, EPA 1668C: 2010, MB	16.03.20 23.03.20
PCB-d.l.(sum)	<0.05	ng/kg	TE	EPA 1613B, EPA 1668C: 2010, MB	16.03.20 23.03.20
PCDD/F+PCB-d.l.(sum)	<0.05	ng/kg	TE	EPA 1613B, EPA 1668C: 2010, MB	16.03.20 23.03.20
Elements					
Arsenic	2.9 ± 0.7	mg/kg		ISO 17294-2:2016, NM	17.03.20 17.03.20
Cadmium	0.1 ± 0.03	mg/kg		ISO 17294-2:2016, NM	17.03.20 17.03.20
Lead	13.2 ± 3.3	mg/kg		ISO 17294-2:2016, NM	17.03.20 17.03.20
Mercury	<0.10	mg/kg	Hg	EPA 7473: 2007, MB	09.03.20 10.03.20

Locations of analyses:

MB - OKA Maribor, Prvomajska ulica 1, Maribor

NM - OKA Novo mesto, Dalmatinova ulica 3, Novo mesto

The reported uncertainty is the expanded uncertainty calculated using coverage factor equal to 2, which gives a reliability of approximately 95% or is for the pesticide residues in foodstuffs evaluated according to document SANTE/12682/2019.



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Electronically confirmed by:
Maja Križan, univ. dipl. kemik
OKA Novo mesto

Head of branch:
dr. Boštjan Križanec, univ. dipl. inž. kem. tehnol.
Electronically signed by deputy Pija Rep, univ. dipl. kem. at 24.03.2020 13:35:38

Results refer only to the tested sample. The test report shall not be reproduced except in full without written approval of the department. It should not be used for advertising purposes.
The sample was kept in accordance to the requirements from the time of receipt until the start of the testing. Results apply to the sample as received.
All additional information on testing is available at the department.