



Task report

Analysis of materials, intended to come into contact with food

Evidence code: 2500-19/61382-23/71729

Customer: HIP PETROHEMIJA A.D.
SPOLJNOSTARČEVSKA 82
26000 PANČEVO, SRBIJA
Srbija

Request: Order No.: 11137, 02.06.2023

Contractor: Department for Safety of Consumer Products
Department for Chemical Analysis of Food, Water and Other Environmental Samples
Kranj

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

Sample caretaker: Mateja Grušovnik, mag.inž.kem.teh.

Maribor, 20.09.2023

Department for Safety of Consumer Products
Head of task:

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

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Document authenticity check on: <http://www.nlzoh.si/istovetnost>.



Sample information

Sample: HDPE: HIPLEX HHM 5502 - 5202
Sample number: 23/71729
Purpose: Analysis on owner request
Customer: HIP PETROHEMIJA A.D., SPOLJNOSTARČEVSKA 82, 26000 PANČEVO, SRBIJA, Srbija
Sample taken by: customer
Time of sampling:
Sample received by: Alenka Rožič
Place and time of receiving: Maribor, 11.07.2023 11:50

Description of the sample

Name and designation according to the data of the customer:
HDPE: HIPLEX HHM 5502
HDPE: HIPLEX HHM 5202

Intended use: contact with food

*Note: The analysis of the total extracted substances was performed on the average sample.

Preparation of the sample

According to the request of the customer, we performed the analysis of the total extracted substances into hexane and xylene.

Sample preparation according to the FDA CFR-Code of federal regulations: Title 21, Volume 3, Sec. 177.1520 Olefin polymers, Extraction into hexane and xylene (high density).

Analytic results are enclosed.

Assessment of the results

Shown are all results with annexes.

Parameter	Result	Unit	Norm	Compliance
Other parameters				
Extraction into hexane at 50 °C	0.17	%	5.5	compliant
Extraction into xylene at 25 °C	2.19	%	30	compliant



Criterion-Limits according to:

FDA CFR- Code of Federal Regulations Title 21, volume 3, Revised as of August 31, 2023, (CITE: 21 CFR177.1520), Sec.177.1520 Olefin polymers, Ekstrakcija v heksan in ksilen (high density)

Results of the analysis

According to the requirements of the costumer, we analysed the total extracted substances into hexane and xylene.

The total extracted substances into hexane and xylene, determined as the mass of the dry residue after the extractions, were lower than the limit values, as given in FDA CFR-Code of federal regulations, Title 21, volume 3, Revised as of August 31, 2023, (CITE: 21 CFR177.1520), Sec. 177.1520 Olefin polymers, table Olefin polymers, point 3.1a, (High density - extraction into hexane and xylene at 50°C and 25°C).

Report annexes:

Report of chemical analyses with evidence code 1004-19/61382-23/71729-K



Report of chemical analyses

Sample: HDPE: HIPLEX HHM 5502 - 5202
Matrix: Materials and articles intended to come into contact with food - FCM
Sample number: 23/71729
Purpose: Analysis on owner request
Title: Analysis of materials, intended to come into contact with food
Sample caretaker: Mateja Grušovnik, mag.inž.kem.teh.
Customer: HIP PETROHEMIJA A.D., SPOLJNOSTARČEVSKA 82, 26000 PANČEVO, SRBIJA, Srbija
Request: Order No.: 11137, 02.06.2023
Sample status: The sample complies with criteria for the reception
Sampling **Sample receiving** **Issue date:** 12.09.2023
Date and hour: **Date and hour:** 11.07.2023 11:50
Taken by: customer **Received by:** Alenka Rožič
Data provided by a customer included in the test report are:
sample data (data under Sample: in Matrix:), sampling data (sampler).

Analytic results

Parameter	Result Note	Unit	Expressed as/on	Method Place of execution	Start/End
Extraction into hexane at 50 °C	0.17	%		FDA, Title 21, volume 31, Sec. 1771520 Olefin polymers, KR	01.08.23 03.08.23
Extraction into xilene at 25 °C	2.19	%		FDA, Title 21, volume 31, Sec. 1771520 Olefin polymers, KR	01.09.23 12.09.23

Head of branch:
mag. Andreja Dremelj, univ.dipl.kem.

Electronically signed mag. Andreja Dremelj, univ.dipl.kem. at 12.09.2023 15:35:17

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.