



Number of report: 2830-24/104377-26/40215-26/113ODP/1

Explanation of previous report correction: The result of parameter 'LKCH' was added and 'Sulphur' has been expressed as SO₃ in the attachment, the size of particles on page 6 has been changed.

WASTE CHARACTERISTICS REPORT

CLIENT:

JP VOKA SNAGA d.o.o.

EWC: 19 06 04

WASTE:

Digestate from anaerobic treatment of municipal waste

Title: WASTE CHARACTERISTICS REPORT FOR THE COMPANY JP VOKA SNAGA D.O.O. FOR WASTE WITH THE NUMBER 19 06 04 – DIGESTATE FROM ANAEROBIC TREATMENT OF MUNICIPAL WASTE

Contractor: NATIONAL LABORATORY OF HEALTH, ENVIROMENT AND FOOD ENVIROMENT AND HEALTH CENTRE
DEPARTMENT OF GROUND AND SURFACE WATER, WASTE AND SOIL UNIT
PRVOMAJSKA ULICA 1
2000 MARIBOR

Declaration: *During the assessment of the waste, all the available data were used and considered, particularly those relating to the source of the waste (for the waste that resulted from a repeated and determinable production process, the deviations of the parameter values were also evaluated for the waste that resulted from normal changes in the waste creation process). In the process of waste investigation, there were no available data from which it could be inferred that other substances had been mixed in with the waste and in doing so, had affected the properties of the waste. This assessment is valid for the inspected and sampled volume of the waste.*

Contracting authority: JP VOKA SNAGA D.O.O.
VODOVODNA CESTA 90
1000 LJUBLJANA

Purchase order number: 4500348634

Date of order: 7.8.2024

Offer number: PO-2830-24/104377-24/88353

Report number: 2830-24/104377-26/40215-26/113ODP/1

Place and date of translation: Novo mesto, 2.7.2026

Head of task: Sebastijan LAMUT, M. Sc. of Ecology and Biodiversity

Participating: Gregor ŠPRINGAR, chem. tech.
OKA Novo mesto, OKA Kranj

Translation by: Sebastijan LAMUT, M. Sc. of Ecology and Biodiversity
Waste and soil unit with laboratory

1 Introduction

Based on the order from JP VOKA SNAGA d.o.o., we sampled, analyzed and evaluated hazardous properties of waste with the purpose of preparing the report about properties of waste for conformation of waste EWC. The procedure was carried out in accordance with the Regulation on waste (Official Gazette RS No. 77/22, 113/23 and 13/25).

2 Sampling method

The waste was sampled in accordance with SIST EN 14899:2006 at first inspection. Description of sampling is annexed to this report

3 Data on the waste holder, type and source of the waste

3.1 Waste holder: JP VOKA SNAGA d.o.o.

Address: Vodovodna ulica 90
Post code: 1000 Ljubljana
Registration number: 5046688000
Activity code: E36.000 - Collection, purification and distribution of water

3.2 Waste classification number: 19 06 04

Waste name: Digestate from anaerobic treatment of municipal waste

According to Article 5 of Regulation on waste (Official Gazette RS No. 77/22, 113/23 and 13/25), the waste number was determined by the holder.

3.3 Description of waste:

The waste is dark brown with variously colored impurities, it emits a strong smell of mixed municipal waste, it is heterogeneous and moist, with majority of particles sized between 2 and 100 mm. It contains 75,3% dry matter, after the stabilization process the waste is blown with air. The majority of the waste consists of organic components, while a smaller proportion of the waste also consists of particles of undefined shapes and sizes, mainly paper (15,2%), and plastic fractions (10,1% - foil particles, smaller solid plastic particles), with traces of smaller particles of metal, glass and wood, which act as a matrix in the stabilization process. The gross calorific value of the waste is 8,3 MJ/kg of dry matter. A photo of the waste is attached to this report.

3.4 Source facility or location of the waste:

Waste holder: JP VOKA SNAGA d.o.o.
Address: Cesta dveh cesarjev 101
Post code: 1000 Ljubljana

3.5 Waste generation description:

Digestate EWC 19 06 04 is produced in the process of mechanical biological treatment of municipal waste in RCERO Ljubljana.

The collected mixed municipal waste (MMW) is dumped directly into a storage tank with the capacity of approximately 5000 m³ directly from waste collecting trucks. Two bridge cranes equipped with grabs dose MMW from the bunker into the primary coarse crusher. The crushed waste passes

through a drum sieve and a screener, where it is separated into three separate fractions, namely:

- fine fraction (approximately <70/80 mm)
- medium fraction (70/80 mm up to approximately 250mm)
- large fraction (approximately >250mm)

The organically rich fine fraction screened from the MKO passes through a magnetic separator and then through a star sieve, which separates the material into two fractions. The fraction smaller than 40 mm is transported and prepared for the fermentation process. The 2/3 of larger fraction, approximately 40 to 70/80 mm, passes through a non-magnetic metal separator directly into the SRF-B tank. The remaining 1/3 is mixed with the stabilate.

The organically rich fraction is transported through the hard particle separator, which separates heavier inert particles from lighter ones. For heavier – inert material, disposal is planned.

Lighter material then travels to the intermediate storage tank and then to anaerobic treatment where it is treated in reactors. The input material is transported to horizontal flow reactor type TF2200 in which anaerobic digestion takes place (mesophilic process 37°C). The material exits the anaerobic digesters via screw conveyors. The digesters are filled with organic-rich material from the intermediate storage tank. The retention time of the material in the digesters is approximately 25 days.

After the anaerobic digestion is complete, the material from the reactor is vacuum pumped into the dewatering unit where dehydration takes place with a screw press to 35% dry matter.

The dehydration product falls onto a collection conveyor on which three different products are collected (screw press, vibrating sieve, decanter), which are mixed during further transportation into a uniform mixture, which is mixed in the auger with structural materials from 40 to 70/80 mm fraction. The mixture is transported automatically or optionally, with a front loader, to stabilization boxes up to 1.1 m of maximum height. After a week of stabilization, the material is moved with a hydraulic loader to an adjacent box, where the process is completed after two weeks. According to the assurances of the client, the process of generating the waste in question has not changed since the previous report.

3.5.1 Annual quantity of waste: 7.886.060 kg

3.5.2 Quantity of waste inspected: 12,5 m³

3.5.3 Sample number:

Field code: SL 20

Laboratory number: 26/40215

4 Waste properties

4.1 State of waste and other special characteristics

4.1.1 State of waste at 20 °C

- | | | | |
|--|--|---|---|
| ☐ Liquid | ☐ Homogenous | ☐ Powder-like | ☐ Dry |
| ☐ Dense liquid/paste-like | ☒ Non-homogenous | ☒ Grained/bulky | ☒ Moist |
| ☐ Sludge-like | ☐ Dispersion | ☐ In a lump | ☐ Hygroscopic |
| ☒ Solid | ☐ Emulsion | ☐ Wrapped | |

4.1.2 Hazardous properties (HP1–HP15)*: ☐ YES ☒ NO

* Properties that make the waste classified as hazardous waste (in accordance with the waste regulation).

- | | | | |
|------------------------------|------------------------------|-------------------------------|-------------------------------|
| ☐ HP1 | ☐ HP5 | ☐ HP9 | ☐ HP13 |
| ☐ HP2 | ☐ HP6 | ☐ HP10 | ☐ HP14 |
| ☐ HP3 | ☐ HP7 | ☐ HP11 | ☐ HP15 |
| ☐ HP4 | ☐ HP8 | ☐ HP12 | |

4.2 Color: Dark brown with variously colored impurities

4.3 Smell: ☒ Strong ☐ Faint ☐ None ☒ Odor: MMW

4.4 Reactivity:

- | | | |
|---|---|---|
| ☐ Inert | ☐ Reacts with acid/lye | ☐ incombustible |
| ☐ Reacts with oxygen | ☐ Accelerates combustion | ☐ Biodegradable |
| ☐ Reacts with water | ☐ Gas forming | ☒ Combustible |

4.5 Solubility: ☒ YES ☐ NO

Justification: The waste is poorly soluble in water and other solvents.

4.6 Physical properties

Density or bulk density at room temperature: $\underline{\quad}$ kg/m³

Range of particle size: 2-100 mm

4.7 Safety precautions:

4.7.1 Handling in temporary storage:

Technical safety precautions: **Store indoors in closed containers, protected from rainfall.**

Personal protective equipment: **Protective goggles, clothing, gloves and footwear**

Fire and explosion safety: **Waste is combustible, but will not self-ignite.**

Water pollution protection: **Waste is poorly soluble in water. Prevent contact with water and waterbodies. In case of pollution, mechanically remove material and notify the competent authorities.**

4.7.2 Accident and fire prevention:

Measures in case of pollution: **Gather the waste with proper tools.**

Appropriate extinguishing agent: **All extinguishing agents are suitable.**

Non-appropriate extinguishing agent: **All extinguishing agents are suitable.**

Appropriate binding agents: $\underline{\quad}$

4.7.3 Additional safety precautions considering management of waste:

No additional safety precautions are required for waste 19 06 04.

5 Waste number classification determination

The waste is classified into groups according to the classification list of waste as defined in Article 4 of the Regulation on waste (Official Gazette RS No. 77/22, 113/23 and 13/25).

Individual waste, given the nature of its generation, can be classified in the group and sub-group of waste with the waste classification list, as provided in Article 4 and 5 of the Regulation on waste (Official Gazette of RS, No. 77/22, 113/23 and 13/25), so that the waste is assigned with classification number of waste. Based on the technology of waste generation and the conducted research on hazardous properties (the evaluation is annexed to this report), we conclude that the waste does not exhibit hazardous properties, as it does not contain hazardous substances or hazardous ingredients or pathogen germs.

According to the source and composition, the waste can be classified into waste group:

19 Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use

19 06 Waste from anaerobic solid waste treatment

19 06 04 Digestate from anaerobic treatment of municipal waste

6 Annex:

- Report on the study of hazardous waste properties
- Test report 2830-24/104377-26/40215/1

END OF REPORT



Task report

JP VOKA SNAGA - Monitoring odpadkov RCERO Ljubljana 2024-2026

Task report 2830-24/104377-26/40215/1 completely replaces Task report 2830-24/104377-26/40215, dated 1. 06. 2026.

The result for the parameter 'LKCH' and the note on the expression of the result for the parameter 'Sulfur' (expressed as SO₃) were added.

Evidence code: 2830-24/104377-26/40215/1

Customer: JAVNO PODJETJE VODOVOD KANALIZACIJA SNAGA D.O.O.
VODOVODNA CESTA 90
1000 Ljubljana

Request: Contract number 4638N, PG-2830-22/104377-24/88340, 06.08.2024
Order number 4500348634, 07.08.2024

Contractor: Department for Groundwater and Surface Water, Waste and Soil
Department for Chemical Analysis of Food, Water and Other Environmental Samples
Kranj
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: Sebastijan Lamut, mag. ekol. biod.

Maribor, 11.06.2026

Department for Groundwater and Surface Water,
Waste and Soil
Head of task:

Sebastijan Lamut, mag. ekol. biod.

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Sample information

Sample: JP VOKA SNAGA d.o.o. - 19 06 04 (SL 20)
Sample number: 26/40215
Purpose: EOT - Characterisation of Waste
Customer: JAVNO PODJETJE VODOVOD KANALIZACIJA SNAGA D.O.O., VODOVODNA
CESTA 90, 1000 Ljubljana
Sample taken by: Sebastijan Lamut, NLZOH OPPVOT
Time of sampling: 21.04.2026 10:45
Place of sampling: JP VOKA SNAGA d.o.o., JP VOKA SNAGA d.o.o. - 19 06 04
Sample received by: Sebastijan Lamut
Place and time of receiving: Novo mesto, 21.04.2026 13:23

Report annexes:

Testing report with evidence code 2830-24/104377-26/40215-T/1
Report of chemical analyses with evidence code 1072-24/104377-26/40215-K/1
26-40215 (GC-MS)_EN



Testing report

Testing report 2830-24/104377-26/40215-T/1 completely replaces Testing report 2830-24/104377-26/40215-T, dated 1. 06. 2026.

The result for the parameter 'LKCH' and the note on the expression of the result for the parameter 'Sulfur' (expressed as SO₃) were added.

Sample: JP VOKA SNAGA d.o.o. - 19 06 04 (SL 20)
Matrix: Waste
Sample number: 26/40215
Purpose: EOT - Characterisation of Waste
Title: JP VOKA SNAGA - Monitoring odpadkov RCERO Ljubljana 2024-2026
Head of task: Sebastijan Lamut, mag. ekol. biod.
Customer: JAVNO PODJETJE VODOVOD KANALIZACIJA SNAGA D.O.O., VODOVODNA CESTA 90, 1000 Ljubljana
Request: Contract number 4638N, PG-2830-22/104377-24/88340, 06.08.2024
Order number 4500348634, 07.08.2024
Subject of sampling: Detailed information is given in the chapter Description of sampling.

Sampling plan: DN 250844, 21.04.2026
Place of sampling: JP VOKA SNAGA d.o.o., JP VOKA SNAGA d.o.o. - 19 06 04
Methodology of sampling: SIST EN 14899:2006 and SIST-TP CEN/TR 15310-1 to -5:2007
Sample status: The sample complies with criteria for the reception

Sampling	Sample receiving	Issue date:	11.06.2026
Date and hour: 21.04.2026 10:45	Date and hour: 21.04.2026 13:23		
Taken by: Sebastijan Lamut, NLZOH OPPVOT	Received by: Sebastijan Lamut		

Picture or scheme of the location of sampling / sample:



JP VOKA SNAGA d.o.o. - 19 06 04



Description of sampling

Sampling location: platform within the composting facility in the regional waste management centre RCERO Ljubljana;

Coordinates of the sampling location:

E: 459509 N: 98296

Sampling subject (population): pile with waste number 19 06 04 and measured volume of 12.5 cubic meters;

Description of sampled material: dark brown matrix with multicolored inclusions (plastic, ceramics, glass, ..), with the smell of MMW, particle size up to 150 mm with a heterogeneous distribution;

Access to the sampled material: no special features;

Sampling plan No.: 104377/40215;

No. of increments taken: 36

Description of sampling: Sampling was carried out from heap shaped like rectangular cuboid using INOX sampling spatulas (OPR-OPPVOT-EOT-NM-140). In accordance with SIST EN 14899:2006 and the technical regulations SIST TP CEN/TR 15310-1:2007, SIST TP CEN/TR 15310-2:2007, SIST TP CEN/TR 15310-3:2007, SIST TP CEN/TR 15310-4:2007 and SIST TP CEN/TR 15310-5:2007, we took increments over the entire surface and depth of the heap according to an apparent plan-view grid 6X6 and in this way ensured the representativeness of the sample for the material under consideration. In total, 36 increments were taken (the minimum increment size was 1 L). When sampling was completed, we combined the taken increments into a composite sample by homogenizing them. The sample obtained in this way was divided into labeled dedicated plastic and glass sample containers. The containers were stored in a cool and dark place until handover to the laboratory in tightly closed packaging;

Type of sample: systematic;

Deviations from the sampling plan: no deviations;

Sample preservation: tightly closed, cooling, in the dark;

Weather during sampling: cloudy, light gusty wind.



Analytic results

Results marked with # refer to **not accredited** activity

Parameter	Result Note	Values below LOQ	Unit	Expressed as/on	Method Place of execution	Start/End
Original						
Waste analysis						
Composition		#			Laboratory method, NM	27.05.26 27.05.26
		Wood: 5,8 % Paper: 15,2 % Plastic: 10,1 % Rubber: 0,7 % Textile: 2,1 % Metal: 1,2 % Glass: 3,4 % Bones: 2,9 % Clay/soil: 19,1 % Other: 39,5 %				

Head of task:
Sebastijan Lamut, mag. ekol. biod.

Electronically signed by deputy Sebastijan Lamut, mag. ekol. biod. at 11.06.2026
14:09:50

Results refer only to the sampled 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 until testing. All additional information on testing is available at the department.



Evidence code: 1072-24/104377-26/40215-K/1

Report of chemical analyses

Report of chemical analyses 1072-24/104377-26/40215-K/1 completely replaces Report of chemical analyses with evidence code 1072-24/104377-26/40215-K, dated 1.06.2026.

The result for the parameter 'LKCH' and the note on the expression of the result for the parameter 'Sulfur' (expressed as SO₃) were added.

Sample:	JP VOKA SNAGA d.o.o. - 19 06 04 (SL 20)		
Matrix:	Waste		
Sample number:	26/40215		
Purpose:	EOT - Characterisation of Waste		
Title:	JP VOKA SNAGA - Monitoring odpadkov RCERO Ljubljana 2024-2026		
Head of task:	Sebastijan Lamut, mag. ekol. biod.		
Customer:	JAVNO PODJETJE VODOVOD KANALIZACIJA SNAGA D.O.O., VODOVODNA CESTA 90, 1000 Ljubljana		
Request:	Contract number 4638N, PG-2830-22/104377-24/88340, 06.08.2024 Order number 4500348634, 07.08.2024		
Place of sampling:	JP VOKA SNAGA d.o.o., JP VOKA SNAGA d.o.o. - 19 06 04		
Sample status:	The sample complies with criteria for the reception		
Sampling	Sample receiving	Issue date:	11.06.2026
Date and hour:	21.04.2026 10:45	Date and hour:	21.04.2026 13:23
Taken by:	Sebastijan Lamut, NLZOH OPPVOT	Received by:	Sebastijan Lamut

Analytic results

Results marked with # refer to not accredited activity

Parameter	Result Note	Values below LOQ	Unit	Expressed as/on	Method Place of execution	Start/End
Original						
Non-targeted analyses of organic compounds						
GC-MS scan (volatiles)	Attachment #		mg/kg DW		SIST EN ISO 15009:2016, NM	22.04.26 19.05.26
Waste analysis						
Antimony	7.8		mg/kg DW	Sb	ISO 17294-2, modified, NM	07.05.26 07.05.26
Arsenic	7.9		mg/kg DW	As	ISO 17294-2, modified, NM	12.05.26 13.05.26
Copper	390		mg/kg DW	Cu	ISO 17294-2, modified, NM	07.05.26 07.05.26
Barium	610		mg/kg DW	Ba	ISO 17294-2, modified, NM	07.05.26 07.05.26
Beryllium	1.0		mg/kg DW	Be	ISO 17294-2, modified, NM	07.05.26 07.05.26
Boron	150		mg/kg DW	B	ISO 17294-2, modified, NM	12.05.26 13.05.26
Zinc	750		mg/kg DW	Zn	ISO 17294-2, modified, NM	07.05.26 07.05.26
Cadmium	1.5		mg/kg DW	Cd	ISO 17294-2, modified, NM	07.05.26 07.05.26



Analytic results

Results marked with # refer to not accredited activity

Parameter	Result Note	Values below LOQ	Unit	Expressed as/on	Method Place of execution	Start/End
Cobalt	10		mg/kg DW	Co	ISO 17294-2, modified, NM	07.05.26 07.05.26
Tin	32		mg/kg DW	Sn	ISO 17294-2, modified, NM	07.05.26 07.05.26
Chromium	140		mg/kg DW	Cr	ISO 17294-2, modified, NM	07.05.26 07.05.26
Manganese	900		mg/kg DW	Mn	ISO 17294-2, modified, NM	07.05.26 07.05.26
Molybdenum	9.3		mg/kg DW	Mo	ISO 17294-2, modified, NM	07.05.26 07.05.26
Nickel	76		mg/kg DW	Ni	ISO 17294-2, modified, NM	07.05.26 07.05.26
Selenium	3.6		mg/kg DW	Se	ISO 17294-2, modified, NM	07.05.26 07.05.26
Lead	250		mg/kg DW	Pb	ISO 17294-2, modified, NM	14.05.26 14.05.26
Thallium	0.19		mg/kg DW	Tl	ISO 17294-2, modified, NM	07.05.26 07.05.26
Tellurium	<0.16	<0.11	# mg/kg DW	Te	ISO 17294-2, modified, NM	07.05.26 07.05.26
Vanadium	26		mg/kg DW	V	ISO 17294-2, modified, NM	07.05.26 07.05.26
Mercury	1.0		mg/kg DW	Hg	SIST EN ISO 12846, modification in point 5, without chapter 7, NM	07.05.26 07.05.26
Naphthalene	0.11		mg/kg DW		ISO 18287:2006 modified in point 7.2, NM	06.05.26 07.05.26
Acenaphthylene	<0.10	<0.03	# mg/kg DW		ISO 18287:2006 modified in point 7.2, NM	06.05.26 07.05.26
Acenaphthene	<0.10		mg/kg DW		ISO 18287:2006 modified in point 7.2, NM	06.05.26 07.05.26
Fluorene	<0.10		mg/kg DW		ISO 18287:2006 modified in point 7.2, NM	06.05.26 07.05.26
Phenanthrene	0.68		mg/kg DW		ISO 18287:2006 modified in point 7.2, NM	06.05.26 07.05.26
Anthracene	<0.10		mg/kg DW		ISO 18287:2006 modified in point 7.2, NM	06.05.26 07.05.26
Fluoranthene	0.91		mg/kg DW		ISO 18287:2006 modified in point 7.2, NM	06.05.26 07.05.26
Pyrene	0.92		mg/kg DW		ISO 18287:2006 modified in point 7.2, NM	06.05.26 07.05.26
Benzo(b)fluoranthene	0.40		mg/kg DW		ISO 18287:2006 modified in point 7.2, NM	06.05.26 07.05.26
Benzo(a)anthracene	0.33		mg/kg DW		ISO 18287:2006 modified in point 7.2, NM	06.05.26 07.05.26
Benzo(k)fluoranthene	0.32		mg/kg DW		ISO 18287:2006 modified in point 7.2, NM	06.05.26 07.05.26
Chrysene	0.41		mg/kg DW		ISO 18287:2006 modified in point 7.2, NM	06.05.26 07.05.26
Benzo(a)pyrene	0.27		mg/kg DW		ISO 18287:2006 modified in point 7.2, NM	06.05.26 07.05.26



Analytic results

Results marked with # refer to **not accredited** activity

Parameter	Result Note	Values below LOQ	Unit	Expressed as/on	Method Place of execution	Start/End
Benzo(ghi)perylene	0.25		mg/kg DW		ISO 18287:2006 modified in point 7.2, NM	06.05.26 07.05.26
Dibenzo(a,h)anthracene	<0.10		mg/kg DW		ISO 18287:2006 modified in point 7.2, NM	06.05.26 07.05.26
Indeno(1,2,3-cd)pyrene	0.24		mg/kg DW		ISO 18287:2006 modified in point 7.2, NM	06.05.26 07.05.26
Polycyclic aromatic hydrocarbons (sum)	4.8		mg/kg DW		ISO 18287:2006 modified in point 7.2, NM	06.05.26 07.05.26
PCB-28 (2,4,4'-trichlorobiphenyl)	0.011		mg/kg DW		SIST EN 17322:2020, NM	24.04.26 11.05.26
PCB-52 (2,2',5,5'-tetrachlorobiphenyl)	<0.003		mg/kg DW		SIST EN 17322:2020, NM	24.04.26 11.05.26
PCB-101 (2,2',4,5,5'-pentachlorobiphenyl)	0.007		mg/kg DW		SIST EN 17322:2020, NM	24.04.26 11.05.26
PCB-138: (2,2',3,4,4',5'-hexachlorobiphenyl)	0.010		mg/kg DW		SIST EN 17322:2020, NM	24.04.26 11.05.26
PCB-118	0.007		mg/kg DW		SIST EN 17322:2020, NM	24.04.26 11.05.26
PCB-153 (2,2',4,4',5,5'-hexachlorobiphenyl)	<0.002		mg/kg DW		SIST EN 17322:2020, NM	24.04.26 11.05.26
PCB-180 (2,2',3,4,4',5,5'-heptachlorobiphenyl)	0.002		mg/kg DW		SIST EN 17322:2020, NM	24.04.26 11.05.26
PCB - sum	0.037		mg/kg DW		SIST EN 17322:2020, NM	24.04.26 11.05.26
Hydrocarbon oil index	1910		mg/kg DW		SIST EN 14039:2005, modified in points 8.3, 10.3, NM	07.05.26 08.05.26
Volatile aromatic hydrocarbons (BTX)	0.92	#	mg/kg DW		SIST EN ISO 15009:2016, NM	22.04.26 18.05.26
<i>The result was reported as non-accredited because the repeatability of the duplicate determinations for this parameter did not meet the prescribed acceptance criteria</i>						
Benzene	<0.08	<0.03	# mg/kg DW		SIST EN ISO 15009:2016, NM	22.04.26 18.05.26
Toluene	0.27	#	mg/kg DW		SIST EN ISO 15009:2016, NM	22.04.26 18.05.26
<i>The result was reported as non-accredited because the repeatability of the duplicate determinations for this parameter did not meet the prescribed acceptance criteria</i>						
Xylene (sum of o-, m-, p- isomers)	0.55	#	mg/kg DW		SIST EN ISO 15009:2016, NM	22.04.26 18.05.26
<i>The result was reported as non-accredited because the repeatability of the duplicate determinations for this parameter did not meet the prescribed acceptance criteria</i>						
Phenol index	<2.5	#	mg/kg DW		ND-CKA-146, version 2, NM	24.04.26 06.05.26
Total Cyanide	3.1		mg/kg DW	CN ⁻	SIST EN ISO 17380:2013, NM	22.04.26 23.04.26
Fluoride	230	#	mg/kg DW	F ⁻	ISO 10359-1:1992, NM	28.05.26 28.05.26
Ignition Residue	48.7		%DW		SIST EN 15935:2021, point 7.3, NM	06.05.26 07.05.26
Highly volatile halogenated hydrocarbons	<4.1		mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26

Entered result.



Analytic results

Results marked with # refer to not accredited activity

Parameter	Result Note	Values below LOQ	Unit	Expressed as/on	Method Place of execution	Start/End
Trichloromethane (Chloroform)	<2.4	<0.7	# mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26
Tribromomethane	<14	<4.1	# mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26
cis-1,2-Dichloroethene	<4.0	<1.2	# mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26
Dichloromethane	<5.3	<1.6	# mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26
1,2-Dichloroethane	<7.0	<2.1	# mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26
Trichloroethene (Trichloroethylene)	<2.8	<0.7	# mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26
1,2-Dichloroethylene	<4.0	<1.2	# mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26
1,1-Dichloroethane	<2.8	<0.8	# mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26
1,1,1-Trichloroethane	<2.1	<0.6	# mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26
1,1-Dichloroethene	<2.0	<0.6	# mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26
Tetrachloroethene (tetrachloroethylene)	<1.9	<0.6	# mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26
1,1,2-Trichloroethane	<7.0	<2.7	# mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26
trans-1,2-Dichloroethene	<2.5	<0.8	# mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26
1,1,1,2-Tetrachloroethane	<4.9	<1.5	# mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26
1,1,2,2-Tetrachloroethane	<5.1	<1.5	# mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26
Bromodichloromethane	<4.7	<1.4	# mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26
Dibromochloromethane	<7.8	<2.3	# mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26
Ethylbenzene	0.10	#	mg/kg DW		SIST EN ISO 15009:2016, NM	22.04.26 18.05.26
<i>The result was reported as non-accredited because the repeatability of the duplicate determinations for this parameter did not meet the prescribed acceptance criteria</i>						
Tetrachloromethane	<1.9	<0.6	# mg/kg DW		SIST EN ISO 22155:2016, NM	22.04.26 18.05.26
Dry matter	75.3		%		SIST EN 15934:2012 - method A, NM	22.04.26 22.04.26
Moisture	24.7	#	%		SIST EN 15934:2012 - method A, NM	22.04.26 22.04.26
Inorganic parameters						
Total Phosphorus	0.29	#	%	P	SIST EN ISO 6878, point 4.7, modified, NM	04.05.26 04.05.26
Total Phosphorus	0.39	#	%DW	P	SIST EN ISO 6878, point 4.7, modified, NM	04.05.26 04.05.26
Iron	18000		mg/kg DW	Fe	ISO 17294-2, modified, NM	07.05.26 07.05.26



Analytic results

Results marked with # refer to not accredited activity

Parameter	Result Note	Values below LOQ	Unit	Expressed as/on	Method Place of execution	Start/End
Elements						
Silicon	85000	#	mg/kg DW	Si	ISO 17294-2:2016, modified, MB	20.05.26 25.05.26
Sample preparation						
Dry matter from 40 °C to 105 °C	95.6		%		SIST EN 15934:2012 - method A, NM	23.04.26 23.04.26
Physico-chemical parameters						
Bromine	<0.01	#	%DW		SIST EN 15408:2011, KR	07.05.26 11.05.26
Hydrogen	29600		mg/kg DW		SIST EN ISO 21663:2021, KR	18.05.26 19.05.26
Gross calorific value	8310		kJ/kg DW		SIST-TS CEN/TS 16023:2014, KR	07.05.26 11.05.26
Nitrogen	0.070		%DW		SIST EN 15408:2011, KR	07.05.26 11.05.26
Nitrogen	701		mg/kg DW		SIST EN 15408:2011, KR	07.05.26 11.05.26
Fluorine	0.0058		%DW		SIST EN 15408:2011, KR	07.05.26 11.05.26
Chlorine	0.28		%DW		SIST EN 15408:2011, KR	07.05.26 11.05.26
Chlorine	2810		mg/kg DW		SIST EN 15408:2011, KR	07.05.26 11.05.26
Net calorific value	5772		kJ/kg		SIST-TS CEN/TS 16023:2014, KR	07.05.26 11.05.26
Net calorific value	7665		kJ/kg DW		SIST-TS CEN/TS 16023:2014, KR	07.05.26 11.05.26
Net calorific value	7665		kJ/kg DW		SIST-TS CEN/TS 16023:2014, KR	07.05.26 11.05.26
Sulfur	0.28		%DW		SIST EN 15408:2011, KR	07.05.26 11.05.26
Sulfur	0.70		%DW	SO ₃ ²⁻	SIST EN 15408:2011, KR	07.05.26 11.05.26
Leachate						
Analysis of eluates						
Phenol Index	0.019		mg/L		ISO 14402:1999(E)-point 4, NM	28.04.26 06.05.26
Fluoride	<0.20		mg/L	F ⁻	ISO 10359-1:1992, NM	04.05.26 04.05.26
<i>Due to sample interference result reported under higher reporting level.</i>						
Adsorbable organic halogens - AOX	0.19		mg/L	Cl ⁻	SIST EN ISO 9562: 2005, NM	08.05.26 08.05.26
<i>Volume of rinsing nitrate solution > 25 ml</i>						
Aluminium	0.58		mg/L	Al	ISO 17294-2:2023, NM	05.05.26 05.05.26



Analytic results

Results marked with # refer to not accredited activity

Parameter	Result Note	Values below LOQ	Unit	Expressed as/on	Method Place of execution	Start/End
Antimony	0.021		mg/L	Sb	ISO 17294-2:2023, NM	05.05.26 19.05.26
Arsenic	0.025		mg/L	As	ISO 17294-2:2023, NM	05.05.26 05.05.26
Copper	0.61		mg/L	Cu	ISO 17294-2:2023, NM	05.05.26 05.05.26
Barium	0.53		mg/L	Ba	ISO 17294-2:2023, NM	05.05.26 05.05.26
Beryllium	<0.0005	<0.0002 #	mg/L	Be	ISO 17294-2:2023, NM	05.05.26 05.05.26
Boron	1.8		mg/L	B	ISO 17294-2:2023, NM	14.05.26 14.05.26
Zinc	1.3		mg/L	Zn	ISO 17294-2:2023, NM	05.05.26 05.05.26
Cadmium	0.0022		mg/L	Cd	ISO 17294-2:2023, NM	05.05.26 05.05.26
Cobalt	0.028		mg/L	Co	ISO 17294-2:2023, NM	05.05.26 05.05.26
Tin	0.013		mg/L	Sn	ISO 17294-2:2023, NM	05.05.26 05.05.26
Chromium	0.041		mg/L	Cr	ISO 17294-2:2023, NM	05.05.26 05.05.26
Manganese	0.63		mg/L	Mn	ISO 17294-2:2023, NM	05.05.26 05.05.26
Molybdenum	0.063		mg/L	Mo	ISO 17294-2:2023, NM	05.05.26 05.05.26
Nickel	0.25		mg/L	Ni	ISO 17294-2:2023, NM	05.05.26 05.05.26
Selenium	0.0019		mg/L	Se	ISO 17294-2:2023, NM	05.05.26 05.05.26
Silver	0.0037		mg/L	Ag	ISO 17294-2:2023, NM	05.05.26 05.05.26
Lead	0.24		mg/L	Pb	ISO 17294-2:2023, NM	05.05.26 05.05.26
Thallium	0.000096	#	mg/L	Tl	ISO 17294-2:2023, NM	05.05.26 05.05.26
Tellurium	0.000055	#	mg/L	Te	ISO 17294-2:2023, NM	05.05.26 05.05.26
Vanadium	0.018		mg/L	V	ISO 17294-2:2023, NM	05.05.26 05.05.26
Iron	3.1	#*	mg/L	Fe	ISO 17294-2:2023, NM	05.05.26 05.05.26
Mercury	0.0024		mg/L	Hg	SIST EN ISO 12846, modification in point 5, without chapter 7, NM	24.04.26 07.05.26
Total Cyanide	0.033		mg/L	CN ⁻	SIST EN ISO 14403-2:2013, NM	29.04.26 29.04.26
Total bound Nitrogen	210	#	mg/L	N	SIST EN ISO 20236:2025, NM	29.04.26 29.04.26
Ammonium	120	#	mg/L	N	ISO 11732:2005, chapter 4, NM	30.04.26 30.04.26



Analytic results

Results marked with # refer to **not accredited** activity

Parameter	Result Note	Values below LOQ	Unit	Expressed as/on	Method Place of execution	Start/End
Chloride	530		mg/L	Cl ⁻	SIST EN ISO 10304-1:2009/AC:2012, NM	29.04.26 29.04.26
Leaching with water					SIST EN 12457-4:2004, NM	23.04.26 24.04.26
	<i>non-crushing particles, %: 0,4 particles > 10 mm, %: 0,4 (factor = 0,96) water content, %: 24,7 test proportion, g: 119,5 added water, ml: 870,5 date of preparation: 23.4.2026-24.4.2026 filter paper: glass filter</i>					
pH	7.5				SIST ISO 10523: 2012, NM	24.04.26 24.04.26
	T=22,3°C					
Temperature	19.0	#	°C		SIST EN 12457-4:2004, NM	23.04.26 24.04.26
Ash						
General parameters						
Potassium	1.8	#	%DW	K ⁺	ISO 17294-2, modified, NM	14.05.26 14.05.26
Inorganic parameters						
Aluminium	0.46	#	%DW	Al	ISO 17294-2, modified, NM	19.05.26 19.05.26
Copper	0.091		%DW	Cu	ISO 17294-2, modified, NM	14.05.26 14.05.26
Total Phosphorus	0.57	#	%DW	P	SIST EN ISO 6878, point 4.7, modified, NM	18.05.26 18.05.26
Cadmium	0.00025		%DW	Cd	ISO 17294-2, modified, NM	14.05.26 14.05.26
Chromium	0.034		%DW	Cr	ISO 17294-2, modified, NM	14.05.26 14.05.26
Magnesium	0.99		%DW	Mg ²⁺	ISO 17294-2, modified, NM	14.05.26 14.05.26
Lead	0.036		%DW	Pb	ISO 17294-2, modified, NM	14.05.26 14.05.26
Iron	3.4	#	%DW	Fe ₂ O ₃	ISO 17294-2, modified, NM	14.05.26 14.05.26
Elements						
Calcium	23	#	%DW	CaO	ISO 17294-2, modified, NM	14.05.26 14.05.26
Manganese	0.19		%DW	Mn	ISO 17294-2, modified, NM	14.05.26 14.05.26
Sodium	2.1	#	%DW		ISO 17294-2, modified, NM	14.05.26 14.05.26
Silicon	321000	#	mg/kg DW	SiO ₂	ISO 17294-2:2016, modified, MB	20.05.26 25.05.26
Titanium	0.63	#	%DW	Ti	ISO 17294-2, modified, NM	19.05.26 19.05.26



Analytic results

Results marked with # refer to not accredited activity

Parameter	Result Note	Values below LOQ	Unit	Expressed as/on	Method Place of execution	Start/End
Mercury	<0.000015	# <0.000006	# %DW	Hg	SIST EN ISO 12846, modification in point 5, without chapter 7, NM	14.05.26 14.05.26
Basic parameters						
Ash	37.8	#	%		SIST EN ISO 21656:2021, NM	06.05.26 07.05.26
Ash	39.6	#	%DW		SIST EN ISO 21656:2021, NM	06.05.26 07.05.26
Total carbon - TC	0.19		%DW		SIST EN 15936:2022, Method A, KR	22.05.26 22.05.26
Total carbon - TC	0.70		%DW	CO ₂	SIST EN 15936:2022, Method A, KR	22.05.26 22.05.26
Dry matter	99.7		%		SIST EN 15934:2012 - method A, NM	11.05.26 11.05.26
Fluorine	0.0039		%DW		SIST EN 15408:2011, KR	15.05.26 20.05.26
Chlorine	0.096		%DW		SIST EN 15408:2011, KR	15.05.26 20.05.26
Hydrogen	<1		%DW		SIST EN ISO 21663:2021, KR	20.05.26 20.05.26
Sulfur	0.10		%DW		SIST EN 15408:2011, KR	15.05.26 20.05.26

Locations of analyses:

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

MB - OKA Maribor, Prvomajska ulica 1, Maribor

KR - OKA Kranj, Gosposvetska ulica 12, Kranj

Measurement uncertainty data are available on the request of the client.

*The result is outside the range of accredited method.

LOD-limit of detection, the lowest analyte concentration which can be detected but not necessarily quantified.

LOQ-limit of quantification, the lowest analyte concentration which can be quantified with acceptable accuracy under the specified conditions.

In the column "Values below LOQ" we show the measured values between LOD and LOQ. Prefix "<" in front of the value indicates that the value is below LOD. This results refer to not accredited activity (#) and are shown following the request of the customer or legislation.

Electronically confirmed by:

Pija Rep, univ. dipl. kem.

OKA Maribor

Head of department:

Jernejka Franko, univ.dipl.inž.kem.inž.

Electronically signed by deputy Maja Križan, univ.dipl.kemik at 11.06.2026 10:56:00

mag. Andreja Dremelj, univ.dipl.kem.

OKA Kranj

Results refer only to the sampled 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 until testing. All additional information on testing is available at the department.

Annex to the chemical testing report

IDENTIFICATION OF ORGANIC COMPOUNDS (GC/MS)

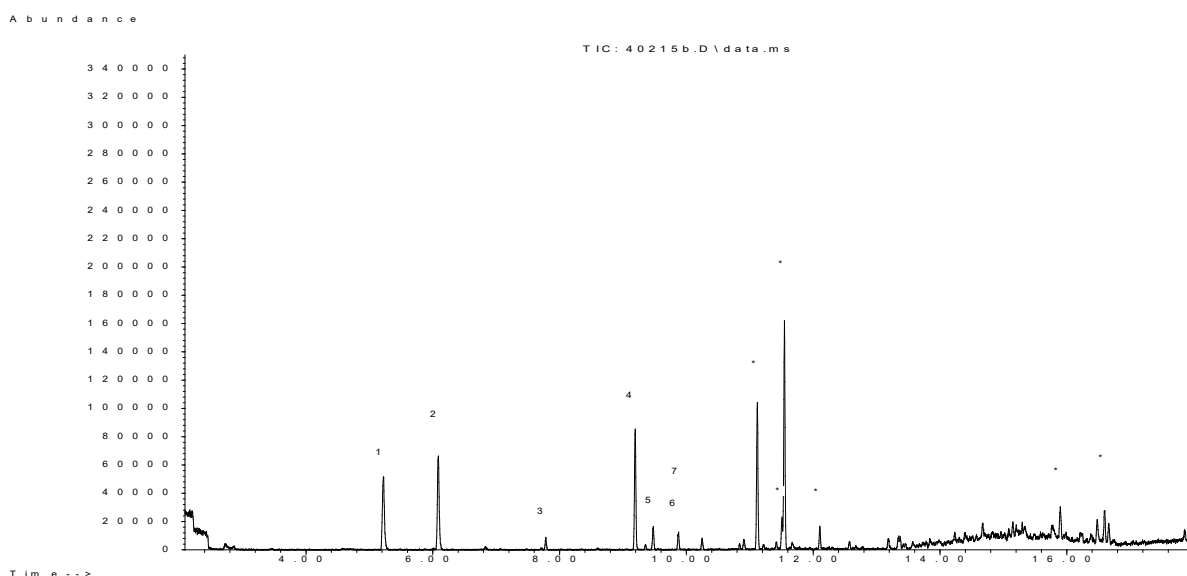
GAS CHROMATOGRAPHY WITH MASS SELECTIVE DETECTOR

Sample name: JP VOKA SNAGA d.o.o. - 19 06 04 (SL 20)

Laboratory number: 26-40215

Preparation: Solid/liquid methanol extraction

Sample input: 12,093g/50mL--->100uL/5mL (SL)



Ion chromatogram: ret. time: 0 min -18 min

Tabela 1: identified compounds

no.	ret. time (min)	compound (most likely identification)	CAS
1	5.22	internal standard pentafluorobenzene	363-72-4
2	6.09	internal standard 1,4-difluorobenzene	79-20-9
3	7.78	toluene	108-88-3
4	9.19	internal standard chlorobenzene-d5	3114-55-4
5	9.47	m+p-xylene	108-38-3, 106-42-3
6	9.88	o-xylene	95-47-6
7	9.88	styrene	100-42-5
*	11.12	unidentified compound (m/z: 114, 132, 82, 42)	-
*	11.51	unidentified compound (m/z: 68, 67, 93, 79)	-
*	11.55	unidentified compound (m/z: 119, 134, 150, 152)	-
*	12.11	unidentified compound (m/z: 57, 43, 41, 71)	-
*	15.90	unidentified compound (m/z: 91, 41, 81, 93)	-
*	16.66	unidentified compound (m/z: 119, 91, 134, 161)	-

COMMENT:

The waste sample is extracted with methanol and the extract is flushed with water (P&T) and analyzed on a gas chromatograph coupled to a mass selective detector (GC/MSD). The mass spectra of the detected peaks are compared with the spectra from the NIST 2.3 (2017) standard mass spectral library or we provide our own interpretation of the mass spectrum.

The compounds listed in the table above were identified in the extract. Compounds marked with * and/or unmarked (section 2) are part of the analytical procedure background or system interference.



ANNEX 2: REPORT ON THE STUDY OF HAZARDOUS WASTE PROPERTIES (according to the criteria from Annex 3 of the Waste Regulation (Official gazette RS 77/22,113/23 and 13/25).

Note: Hazard class and hazard category symbols and symbols for hazard statements for waste components for the classification of waste used in Annex III of Directive 2008/98/EC are summarized according to Regulation (EC) no. 1272/2008 of the European Parliament and the Council of 16 December 2008 on the classification, labelling and packaging of substances and mixtures, on the amendment and repeal of Directives 67/548/EEC and 1999/45/EC and the amendment of Regulation (EC) no. 1907/2006 (OJ L No. 353, 31/12/2008, p. 1), last amended by Commission Delegated Regulation (EU) 2021/1962 of 12 August 2021 amending Annex VI to Regulation (EC) No. 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (OJ L No. 400, 12 November 2021, p. 16), (hereinafter: Regulation (EC) No. 1272/2008).

Property: **HP1 »Explosive«** **Has HP 1** ☐ Yes ☒ No

Description: Waste which is capable by chemical reaction of producing gas at such a temperature and pressure and at such a speed as to cause damage to the surroundings. Pyrotechnic waste, explosive organic peroxide waste and explosive self-reactive waste is included..

Determination: When a waste contains one or more substances classified by one of the hazard class and category codes and hazard statement codes shown in Table 1, the waste shall be assessed for HP 1, where appropriate and proportionate, according to test methods. If the presence of a substance, a mixture or an article indicates that the waste is explosive, it shall be classified as hazardous by HP 1.

Table 1: Hazard Class and Category Code(s) and Hazard statement Code(s) for waste constituents for the classification of wastes as hazardous by HP 1:

Hazard Class and Category Code(s)	Hazard statements Code(s)
Unst. Expl.	H 200
Ekspl. 1.1	H 201
Ekspl. 1.2	H 202
Ekspl. 1.3	H 203
Ekspl. 1.4	H 204
Self-react. A	H 240
Org. Perox. A	
Self-react. B	H 241
Org. Perox. B	

Observations:

Based on a review of the waste generation technology, an examination of the incoming raw materials and the composition of the waste, we conclude that the waste in question does not contain any of the substances that could be classified with one of the hazard class labels and hazard statement labels shown in Table 1.



Property: HP2 »Oxidizing«

Has HP 2

☐ Yes ☒ No

Description: Waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials.

Determination: When a waste contains one or more substances classified by one of the hazard class and category codes and hazard statement codes shown in Table 2, the waste shall be assessed for HP 2, where appropriate and proportionate, according to test methods. If the presence of a substance indicates that the waste is oxidising, it shall be classified as hazardous by HP 2.

Table 2: Hazard Class and Category Code(s) and Hazard statement Code(s) for the classification of wastes as hazardous by HP 2:

Hazard Class and Category Code(s)	Hazard statements Code(s)
Ox. Gas 1	H 270
Ox. Liq. 1	H 271
Ox. Sol. 1	
Ox. Liq. 2, Ox. Liq. 3	H 272
Ox. Sol. 2 Ox. Sol 3	

Observations:

Based on a review of the waste generation technology, an examination of the incoming raw materials and the composition of the waste, we conclude that the waste in question does not contain any of the substances that could be classified with one of the hazard class labels and hazard statement labels shown in Table 2.

Property: HP3 »Flammable«

Has HP 3

☐ Yes ☒ No

Description:

- Flammable liquid waste – liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
- Flammable pyrophoric liquid and solid waste – solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
- Flammable solid waste – solid waste which is readily combustible or may cause or contribute to fire through friction;
- Flammable gaseous waste – gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
- Water reactive waste – waste which, in contact with water, emits flammable gases in dangerous quantities;
- Other flammable waste – flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

Determination: When a waste contains one or more substances classified by one of the following hazard class and category codes and hazard statement codes shown in Table 3, the waste shall be assessed, where appropriate and proportionate, according to test methods. If the presence of a substance indicates that the waste is flammable, it shall be classified as hazardous by HP 3.



Table 3: Hazard Class and Category Code(s) and Hazard statement Code(s) for waste constituents for the classification of wastes as hazardous by HP 3

Hazard Class and Category Code(s)	Hazard statements Code(s)
Flam. Gas 1	H220
Flam. Gas 2	H221
Aerosol 1	H222
Aerosol 2	H223
Flam. Liq. 1	H224
Flam. Liq. 2	H225
Flam. Liq. 3	H226
Flam. Sol.1	H228
Flam. Sol.2	
Self-react CD	H242
Self-react EF	
Org. Perox. 1 CD	
Org. Perox. 1 EF	
Pyr. Liq. 1	H250
Pyr. Sol. 1	
Self-heat. 1	H251
Self-heat. 2	H252
Water-react. 1	H 260
Water-react. 2	H 261
Water-react. 3	

Observations:

Based on a review of the waste generation technology, an examination of the incoming raw materials and the composition of the waste, we conclude that the waste in question does not contain any of the substances that could be classified with one of the hazard class labels and hazard statement labels shown in Table 3.

Property: HP4 »Irritant – skin irritation and eye damage«

Has HP 4 ☐ Yes ☒ No

Description: Waste which on application can cause skin irritation or damage to the eye.

Determination: When a waste contains one or more substances in concentrations above the cut-off value, that are classified by one of the following hazard class and category codes and hazard statement codes and one or more of the following concentration limits is exceeded or equalled, the waste shall be classified as hazardous by HP 4.

The cut-off value for consideration in an assessment for Skin corr. 1A (H314), Skin irrit. 2 (H315), Eye dam. 1 (H318) and Eye irrit. 2 (H319) is 1 %

If the sum of the concentrations of all substances classified as Skin corr. 1A (H314) exceeds or equals 1 %, the waste shall be classified as hazardous according to HP 4.

If the sum of the concentrations of all substances classified as H318 exceeds or equals 10 %, the waste shall be classified as hazardous according to HP 4.

If the sum of the concentrations of all substances classified H315 and H319 exceeds or equals 20 %, the waste shall be classified as hazardous according to HP 4.



Note that wastes containing substances classified as H314 (Skin corr.1A, 1B or 1C) in amounts greater than or equal to 5 % will be classified as hazardous by HP 8. HP 4 will not apply if the waste is classified as HP 8.

Observations:

Based on a review of the waste generation technology, an examination of the incoming raw materials and the composition of the waste, we conclude that the waste in question does not contain any of the substances that could be classified with one of the hazard class and category symbols and symbols for hazard sentences, or would exceed the limit value.

Property: HP5 »Specific Target Organ Toxicity (STOT) / Aspiration Toxicity«

Has HP 5 ☐ Yes ☒ No

Description: Waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.

Determination: When a waste contains one or more substances classified by one or more of the following hazard class and category codes and hazard statement codes shown in Table 4, and one or more of the concentration limits in Table 4 is exceeded or equalled, the waste shall be classified as hazardous according to HP 5. When substances classified as STOT are present in a waste, an individual substance has to be present at or above the concentration limit for the waste to be classified as hazardous by HP 5.

When a waste contains one or more substances classified as Asp. Tox. 1 and the sum of those substances exceeds or equals the concentration limit, the waste shall be classified as hazardous by HP 5 only where the overall kinematic viscosity (at 40 °C) does not exceed 20.5 mm²/s.

Table 4: Hazard Class and Category Code(s) and Hazard statement Code(s) for waste constituents and the corresponding concentration limits for the classification of wastes as hazardous by HP 5

Hazard Class and Category Code(s)	Hazard statements Code(s)	Concentration limit
STOT SE 1	H370	1 %
STOT SE 2	H371	10 %
STOT SE 3	H335	20 %
STOT RE 1	H372	1 %
STOT RE 2	H373	10 %
Asp. Tox. 1	H304	10 %

Observations:

Based on the review of the waste generation technology, the review of the incoming raw materials and the composition of the waste, we conclude that the waste in question does not contain any of the substances that could be classified with one of the hazard class labels and hazard statement labels shown in Table 4 and at the same time exceed the given limit value.



Property: HP6 »Acute Toxicity«

Has HP 6

☐ Yes ☒ No

Description: Waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.

Determination: If the sum of the concentrations of all substances contained in a waste, classified with an acute toxic hazard class and category code and hazard statement code given in Table 5, exceeds or equals the threshold given in that table, the waste shall be classified as hazardous by HP 6. When more than one substance classified as acute toxic is present in a waste, the sum of the concentrations is required only for substances within the same hazard category.

The following cut-off values shall apply for consideration in an assessment:

- For Acute Tox. 1, 2 or 3 (H300, H310, H330, H301, H311, H331): 0.1 %;
- For Acute Tox. 4 (H302, H312, H332): 1 %.

Table 5: Hazard Class and Category Code(s) and Hazard statement Code(s) for waste constituents and the corresponding concentration limits for the classification of wastes as hazardous by HP 6.

Hazard Class and Category Code(s)	Hazard statements Code(s)	Concentration limit
Acute Tox.1 (Oral)	H300	0,1 %
Acute Tox. 2 (Oral)		0,25 %
Acute Tox. 3 (Oral)	H301	5 %
Acute Tox 4 (Oral)	H302	25 %
Acute Tox.1 (Dermal)	H310	0,25 %
Acute Tox.2 (Dermal)		2,5 %
Acute Tox. 3 (Dermal)	H311	15 %
Acute Tox 4 (Dermal)	H312	55 %
Acute Tox 1 (Inhal.)	H330	0,1 %
Acute Tox.2 (Inhal.)	H330	0,5 %
Acute Tox. 3 (Inhal.)	H331	3,5 %
Acute Tox. 4 (Inhal.)	H332	22,5 %

Observations:

Based on the review of the waste generation technology, the review of the incoming raw materials and the composition of the waste, we conclude that the waste in question does not contain any of the substances that could be classified with one of the hazard class labels and hazard statement labels shown in Table 5 and at the same time exceed the given limit value.



Property: HP7 – Carcinogenic

Has HP 7

☐ Yes ☒ No

Description: Waste which induces cancer or increases its incidence.

Determination: When a waste contains a substance classified by one of the following hazard class and category codes and hazard statement codes and exceeds or equals one of the following concentration limits shown in Table 6, the waste shall be classified as hazardous by HP 7. When more than one substance classified as carcinogenic is present in a waste, an individual substance has to be present at or above the concentration limit for the waste to be classified as hazardous by HP 7.

Table 6: Hazard Class and Category Code(s) and Hazard statement Code(s) for waste constituents and the corresponding concentration limits for the classification of wastes as hazardous by HP 7:

Hazard Class and Category Code(s)	Hazard statements Code(s)	Concentration limit
Carc. 1A	H350	0,1 %
Carc. 1B		
Carc. 2	H351	1,0 %

Observations:

Based on a review of the waste generation technology, an examination of the incoming raw materials and the composition of the waste, we conclude that the waste in question does not contain any of the substances that could be classified with one of the hazard class labels and hazard statement labels shown in Table 6 and at the same time exceed the given limit value.

Property: HP8 »Corrosive«

Has HP 8

☐ Yes ☒ No

Description: Waste which on application can cause skin corrosion.

Determination: When a waste contains one or more substances classified as Skin corr. 1A, 1B or 1C (H314) and the sum of their concentrations exceeds or equals 5 %, the waste shall be classified as hazardous by HP 8.
The cut-off value for consideration in an assessment for Skin corr. 1A, 1B, 1C (H314) is 1.0 %.

Observations:

Based on a review of the waste generation technology, an examination of the incoming raw materials and the composition of the waste, we conclude that the waste in question does not contain any of the substances that could be classified with one of the above-mentioned hazard class labels and labels for hazard statements and at the same time exceed the given limit value.

Property: HP9 »Infectious«

Has HP 9

☐ Yes ☒ No

Description: Waste containing viable micro-organisms or their toxins which are known or reliably believed to cause disease in man or other living organisms



Waste has HP9 if it contains:

- microorganisms dangerous to human health or
- Infectious material of animal origin.

Observations:

Based on a review of the waste generation technology, an examination of the incoming raw materials and the composition of the waste, we conclude that the waste in question does not contain any of the substances that could attribute HP 9 to the waste.

Property: HP10 »Toxic for reproduction«

Has HP 10

☐ Yes ☒ No

Description: Waste which has adverse effects on sexual function and fertility in adult males and females, as well as developmental toxicity in the offspring.

Determination: When a waste contains a substance classified by one of the following hazard class and category codes and hazard statement codes and exceeds or equals one of the following concentration limits shown in Table 7, the waste shall be classified hazardous according to HP 10. When more than one substance classified as toxic for reproduction is present in a waste, an individual substance has to be present at or above the concentration limit for the waste to be classified as hazardous by HP 10.

Table 7: Hazard Class and Category Code(s) and Hazard statement Code(s) for waste constituents and the corresponding concentration limits for the classification of wastes as hazardous by HP 10

Hazard Class and Category Code(s)	Hazard statements Code(s)	Concentration limit
Repr. 1A	H360	0,3 %
Repr. 1B		
Repr. 2	H361	3,0 %

Observations:

Based on a review of the waste generation technology, an examination of the incoming raw materials and the composition of the waste, we conclude that the waste in question does not contain any of the substances that could be classified with one of the labels for hazard statements and the labels for additional hazard statements shown in Table 7 and at the same time exceeded the limit value.

Property: HP11 »Mutagenic«

Has HP 11

☐ Yes ☒ No

Description: Waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell

Determination: When a waste contains a substance classified by one of the following hazard class and category codes and hazard statement codes and exceeds or equals one of the following concentration limits shown in Table 8, the waste shall be classified as hazardous according to HP 11. When more than one substance classified as mutagenic is present in a waste, an individual substance has to be present at or above the concentration limit for the waste to be classified as hazardous by HP 11.



Table 8: Hazard Class and Category Code(s) and Hazard statement Code(s) for waste constituents and the corresponding concentration limits for the classification of wastes as hazardous by HP 11:

Hazard Class and Category Code(s)	Hazard statements Code(s)	Concentration limit
Muta. 1A	H340	0,1 %
Muta. 1B		
Muta. 2	H341	1,0 %

Observations:

Based on a review of the waste generation technology, an examination of the incoming raw materials and the composition of the waste, we conclude that the waste in question does not contain any of the substances that could be classified with one of the labels for hazard statements and the labels for additional hazard statements shown in Table 8 and at the same time exceeded the limit value.

Property: HP12 »Release of an acute toxic gas« **Has HP 12** ☐ Yes ☒ No

Description: Waste which releases acute toxic gases (Acute Tox. 1, 2 or 3) in contact with water or an acid.

Determination: When a waste contains a substance assigned to one of the following supplemental hazards EUH029, EUH031 and EUH032, it shall be classified as hazardous by HP 12 according to test methods or guidelines.

Observations:

Based on a review of the waste generation technology, an examination of the incoming raw materials and the composition of the waste, we conclude that the waste in question does not contain any of the substances to which one of the supplemental hazards EUH029, EUH031 or EUH032 would be assigned.

Property: HP13 »Sensitising« **Has HP 13** ☐ Yes ☒ No

Description: Waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs.

Determination: When a waste contains a substance classified as sensitising and is assigned to one of the hazard statement codes H317 or H334 and one individual substance equals or exceeds the concentration limit of 10 %, the waste shall be classified as hazardous by HP 13.

Observations:

Based on a review of the waste generation technology, an examination of the incoming raw materials and the composition of the waste, we conclude that the waste in question does not contain any of the substances that could be classified with one of the H317 or H334 hazard statements and at the same time exceed the concentration limit of 10% for individual substance.

Property: HP14 »Ecotoxic« **Has HP 14** ☐ Yes ☒ No



Description: Waste which presents or may present immediate or delayed risks for one or more sectors of the environment.

Determination: Waste which fulfils any of the following conditions shall be classified as hazardous by HP 14:

- Waste which contains a substance classified as ozone depleting assigned the hazard statement code H420 in accordance with Regulation (EC) No 1272/2008 of the European Parliament and of the Council (14) and the concentration of such a substance equals or exceeds the concentration limit of 0,1 %.
- $[c(H420) \geq 0,1 \text{ \%}]$;
- Waste which contains one or more substances classified as aquatic acute assigned the hazard statement code H400 in accordance with Regulation (EC) No 1272/2008 and the sum of the concentrations of those substances equals or exceeds the concentration limit of 25 %. A cut-off value of 0,1 % shall apply to such substances.
- $[\sum c(H400) \geq 25 \text{ \%}]$;
- Waste which contains one or more substances classified as aquatic chronic 1, 2 or 3 assigned to the hazard statement code(s) H410, H411 or H412 in accordance with Regulation (EC) No 1272/2008, and the sum of the concentrations of all substances classified as aquatic chronic 1 (H410) multiplied by 100 added to the sum of the concentrations of all substances classified as aquatic chronic 2 (H411) multiplied by 10 added to the sum of the concentrations of all substances classified as aquatic chronic 3 (H412) equals or exceeds the concentration limit of 25 %. A cut-off value of 0,1 % applies to substances classified as H410 and a cut-off value of 1 % applies to substances classified as H411 or H412.
- $[100 \times \sum c(H410) + 10 \times \sum c(H411) + \sum c(H412) \geq 25 \text{ \%}]$;
- Waste which contains one or more substances classified as aquatic chronic 1, 2, 3 or 4 assigned the hazard statement code(s) H410, H411, H412 or H413 in accordance with Regulation (EC) No 1272/2008, and the sum of the concentrations of all substances classified as aquatic chronic equals or exceeds the concentration limit of 25 %. A cut-off value of 0,1 % applies to substances classified as H410 and a cut-off value of 1 % applies to substances classified as H411, H412 or H413.
- $[\sum c(H410) + \sum c(H411) + \sum c(H412) + \sum c(H413) \geq 25 \text{ \%}]$

Where: $\sum$ = sum and c = concentrations of the substances.

Observations:

Based on a review of the technology of waste generation, review of incoming raw materials, composition of waste and review of the results of the performed analyses, we conclude that the waste in question does not contain any of the substances that meet and exceed the above-mentioned criteria.

Property: HP15 »Waste capable of exhibiting a hazardous property listed above not directly displayed by the original waste«

Has HP 15 ☐ Yes ☒ No

Determination: When a waste contains one or more substances assigned to one of the hazard statements or supplemental hazards shown in Table 9, the waste shall be classified as hazardous by HP 15, unless the waste is in such a form that it will not under any circumstance exhibit explosive or potentially explosive properties.



Table 9: Hazard statements and supplemental hazards for waste constituents for the classification of wastes as hazardous by HP 15:

Hazard Statement(s)/Supplemental Hazard(s)	
May mass explode in fire	H205
Explosive when dry	EUH001
May form explosive peroxides	EUH019
Risk of explosion if heated under confinement	EUH044

Observations:

Based on a review of the waste generation technology, an examination of the incoming raw materials and the composition of the waste, we conclude that the waste in question does not contain any of the substances that could be classified with one of the labels for hazard statements and labels for additional hazard statements shown in Table 9.

Conclusion on the hazardous properties of the waste (the waste belongs to hazardous or non-hazardous waste due to the following identified hazardous properties):

Based on the conducted survey of hazardous properties in accordance with the Waste Regulation (Official Gazette RS, no. 77/22,113/23 and 13/25), we note that the waste in question does not exhibit any hazardous properties, therefore it is classified as non-hazardous waste.