

Priloga 2 Rezultati kemijskih analiz v trdnem vzorcu in njegovem izlužku iz vidika zakonodaje s področja odpadkov.

- Poročilo o preskusu Eurofins ERICo Slovenija d.o.o., št. poročila O1-386/21.
- Poročilo o preskusu Eurofins ERICo Slovenija d.o.o., št. poročila O2-386/21.
- Poročilo o preskusu Eurofins ERICo Slovenija d.o.o., št. poročila O3-386/21.
- Poročilo o preskusu Eurofins ERICo Slovenija d.o.o., št. poročila O4-386/21.
- Poročilo o preskusu Eurofins ERICo Slovenija d.o.o., št. poročila O1-387/21.
- Poročilo o preskusu Eurofins ERICo Slovenija d.o.o., št. poročila O2-387/21.
- Poročilo o preskusu Eurofins ERICo Slovenija d.o.o., št. poročila O3-387/21.
- Poročilo o preskusu Eurofins ERICo Slovenija d.o.o., št. poročila O4-387/21.
- Analytical report Eurofins Environment Testing Slovakia s.r.o., No: AR-21-KT-008884-01.
- Analytical report Eurofins Environment Testing Slovakia s.r.o., No: AR-21-KT-008885-01.
- Analytical report Eurofins Environment Testing Slovakia s.r.o., No: AR-21-KT-008886-01.
- Analytical report Eurofins Environment Testing Slovakia s.r.o., No: AR-21-KT-008887-01.
- Analytical report Eurofins Environment Testing Slovakia s.r.o., No: AR-21-KT-008888-01.
- Analytical report Eurofins Environment Testing Slovakia s.r.o., No: AR-21-KT-008889-01.
- Analytical report Eurofins Environment Testing Slovakia s.r.o., No: AR-21-KT-008890-01.
- Analytical report Eurofins Environment Testing Slovakia s.r.o., No: AR-21-KT-008891-01.
- Analytical report Eurofins Environment Testing Slovakia s.r.o., No: AR-21-KT-010634-01.
- Analytical report Eurofins Environment Testing Slovakia s.r.o., No: AR-21-KT-010635-01.
- Analytical report Eurofins Environment Testing Slovakia s.r.o., No: AR-21-KT-010636-01.
- Analytical report Eurofins Environment Testing Slovakia s.r.o., No: AR-21-KT-010637-01.
- Analytical report Eurofins Environment Testing Slovakia s.r.o., No: AR-21-KT-010304-01.
- Analytical report Eurofins Environment Testing Slovakia s.r.o., No: AR-21-KT-010305-01.
- Analytical report Eurofins Environment Testing Slovakia s.r.o., No: AR-21-KT-010306-01.
- Analytical report Eurofins Environment Testing Slovakia s.r.o., No: AR-21-KT-010307-01.

Izvajalec: Eurofins ERICo Slovenija, Inštitut za ekološke raziskave d.o.o.,
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tel.: +386 3 898 1930, fax.: +386 3 898 1942

Naročnik:
Delovni nalog: DN 820
Interno naročilo: NA-0318/2021

Vrsta vzorcev: granuliran odpadек
Laboratorijska oznaka vzorca: O1-386/21
Oznaka vzorca: HE Mokrice, levi breg - gozd

Kraj vzorčenja: Mokrice
Vzorčevalec: Ana Ašler
Datum vzorčenja: 2021-03-16
Datum prejema vzorcev: 2021-03-19

REZULTATI:

PARAMETER	METODA	REZULTAT	ENOTA	MER. NEG. (%)	DATUM PRESKUŠANJA
antimon - Sb	SIST EN ISO 17294-2: 2017 modif.	#0.8	mg/kg s.s. /		01.04.2021
barij - Ba	SIST EN ISO 17294-2: 2017 modif.	#173	mg/kg s.s. /		06.04.2021
berilij - Be	SIST EN ISO 17294-2: 2017 modif.	#<3.3	mg/kg s.s. /		06.04.2021
bor - B	SIST EN ISO 17294-2: 2017 modif.	#<33.3	mg/kg s.s. /		06.04.2021
celotni dušik	SIST ISO 11261:1996 mod.	#0.194	% s.s. /		31.03.2021
celotni fosfor	PM 6.51	#355	mg/kg s.s. /		02.04.2021
celotni ogljikovodik (C10-C40)	SIST EN 14039:2005	#96	mg/kg s.s. /		13.04.2021
celotni organski ogljik - TOC	SIST EN 13137:2002	2.7	% s.s. /		01.04.2021
izluževanje	SIST EN 12457-4: 2004	I101-386/21	/		09.04.2021
lahkohlapni aromatski CH - BTX	SIST ISO 11423-1:1998	#<0.04	mg/kg s.s. /		22.03.2021
mangan - Mn	SIST EN ISO 17294-2: 2017 modif.	#434	mg/kg s.s. /		06.04.2021
masa izluževanega vzorca	SIST EN 12457-2: 2004	#133	g /		09.04.2021
molibden - Mo	SIST EN ISO 17294-2: 2017 modif.	#<2.0	mg/kg s.s. /		06.04.2021
polciklični aromatski CH - PAH	ISO 13859:2014 mod.	#<0.10	mg/kg s.s. /		26.03.2021
poliklorirani bifenili - PCB	ISO 10382:2002 mod.	#<0.10	mg/kg s.s. /		26.03.2021
selen - Se	SIST EN ISO 17294-2: 2017 modif.	#<33.3	mg/kg s.s. /		06.04.2021
suha snov (podana na sveži vzorec)	SIST EN 14346:2007, metoda A	#77.4	% 12.2		24.03.2021
talij - Tl	SIST EN ISO 17294-2: 2017 modif.	#<3.3	mg/kg s.s. /		06.04.2021
titan - Ti	SIST EN ISO 17294-2: 2017 modif.	#356	mg/kg s.s. /		01.04.2021
vanadij - V	SIST EN ISO 17294-2: 2017 modif.	#29.5	mg/kg s.s. /		06.04.2021
volumen izluževalnega medija	SIST EN 12457-2: 2004	#1000	ml /		09.04.2021
žarilna izguba	SIST EN 15169: 2007	10.4	% s.s. 6		06.04.2021
živo srebro - Hg	ISO 16772:2004 brez točke 7.4.2, modif	0.31	mg/kg s.s. 12.5		08.04.2021
arzen - As	SIST EN ISO 17294-2: 2017 modif.	#9.7	mg/kg s.s. /		06.04.2021
baker - Cu	SIST EN ISO 17294-2: 2017 modif.	#17.3	mg/kg s.s. /		06.04.2021
cink - Zn	SIST EN ISO 17294-2: 2017 modif.	#91.1	mg/kg s.s. /		06.04.2021
kadmij - Cd	SIST EN ISO 17294-2: 2017 modif.	#<0.5	mg/kg s.s. /		06.04.2021
kobalt - Co	SIST EN ISO 17294-2: 2017 modif.	#7.0	mg/kg s.s. /		06.04.2021
krom - Cr	SIST EN ISO 17294-2: 2017 modif.	#43.3	mg/kg s.s. /		06.04.2021
nikelj - Ni	SIST EN ISO 17294-2: 2017 modif.	#21.5	mg/kg s.s. /		06.04.2021
svinec - Pb	SIST EN ISO 17294-2: 2017 modif.	#51.5	mg/kg s.s. /		06.04.2021
žveplo - S	ASTM D 4239 (metoda C):1997	#<0.01	% /		07.04.2021

PARAMETER	METODA	REZULTAT	ENOTA	MER. NEG. (%)	DATUM PRESKUŠANJA
adsorbiljivi organski halogeni - AOX	SIST ISO 9562: 2005	30	ug Cl / l	12	12.04.2021
antimon - Sb	SIST EN ISO 17294-2: 2017	<0.2	ug/l	/	12.04.2021
arzen - As	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	13.04.2021
baker - Cu	SIST EN ISO 17294-2: 2017	2.2	ug/l	/	13.04.2021
barij - Ba	SIST EN ISO 17294-2: 2017	11.3	ug/l	/	13.04.2021
berilij - Be	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	13.04.2021
bor - B	SIST EN ISO 17294-2: 2017 modif.	#10.5	ug/L	/	13.04.2021
cink - Zn	SIST EN ISO 17294-2: 2017	3.6	ug/l	/	13.04.2021
fluorid	ISO 10304-1: 2007/Cor 1:2010	<1.0	mg/L	9.5	12.04.2021
kadmij - Cd	SIST EN ISO 17294-2: 2017	<0.5	ug/l	/	13.04.2021
klorid	ISO 10304-1: 2007/Cor 1:2010	<1.0	mg/L	12	12.04.2021
kobalt - Co	SIST EN ISO 17294-2: 2017	<0.2	ug/l	/	13.04.2021
kositer - Sn	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	12.04.2021
krom - Cr	SIST EN ISO 17294-2: 2017	<5.0	ug/L	/	13.04.2021
molibden - Mo	SIST EN ISO 17294-2: 2017	2.3	ug/l	/	13.04.2021
nikelj - Ni	SIST EN ISO 17294-2: 2017	1.1	ug/l	/	13.04.2021
pH vrednost	ISO 10523: 2008	8.3	/	0.12	09.04.2021
raztopljeni organski ogljik - DOC	SIST ISO 8245: 2000	3.09	mg C/L	/	12.04.2021
selen - Se	SIST EN ISO 17294-2: 2017	<10.0	ug/l	/	13.04.2021
specifična električna prevodnost - SEP (T = 20,0 st. C)	SIST EN 27888: 1998	90.0	us/cm	/	09.04.2021
sulfat	ISO 10304-1: 2007/Cor 1:2010	2.45	mg/L	10	12.04.2021
svinec - Pb	SIST EN ISO 17294-2: 2017	0.5	ug/l	/	13.04.2021
T (pri pH)	ISO 10523: 2008	18.8	st.C	/	09.04.2021
T (pri SEP)	SIST EN 27888: 1998	19.5	st.C	/	09.04.2021
talij - Tl	SIST EN ISO 17294-2: 2017 modif.	#<1.0	ug/L	/	13.04.2021
telur - Te	SIST EN ISO 17294-2: 2017 modif.	#<10.0	ug/L	/	13.04.2021
vanadij - V	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	13.04.2021
živo srebro - Hg	SIST EN ISO 12846:2012,brez poglavja 6	<0.05	ug/L	40.4	14.04.2021
amonijev dušik	SIST ISO 5664: 1996	< 1.0*#	mg N/L	7	12.04.2021
nitritni dušik	ISO 10304-1: 2007/Cor 1:2010	<0.30	mg-N/L	15	12.04.2021
nitratni dušik	ISO 10304-1: 2007/Cor 1:2010	0.79	mg-N/L	15	12.04.2021

- rezultati se nanašajo na neakreditirano dejavnost

Opombe:

Izlužki odpadkov/tal so analizirani skladno s SIST EN 16192:2012. Detajlni podatki o pripravi vzorcev ter izvedbi izluževanja so na voljo v laboratoriju.

Suha snov določena s sušenjem v laboratorijskem sušilniku. Podatek se nanaša na vsebnost v analitskem vzorcu.

Vzorčeno po standardu SIST EN 14899:2006. Podrobni podatki o vzorčenju za namen interpretacije rezultatov se nahajajo na poročilu o vzorčenju.
Priprava vzorcev je bila izvedena po standardu SIST EN 15002:2006.

Vodja laboratorija:
Matej Šuštaršič

PCB-ji predstavljajo vsoto PCB 28, 52, 101, 138, 153 in 180.

Vsoto PAH-ov predstavljajo naslednje spojine: fluoranten, benzo(a)pirena, benzo(b)fluoranten, benzo(k)fluoranten, benzo(g,h,i)perilen in indeno(1,2,3-c,d)piren.

* - rezultati so pod LOD.

Merilna negotovost (MN) je izračunana iz prispevkov negotovosti, ki izvirajo iz preskusne metode in pogojev okolja, kot tudi iz kratkotrajnih prispevkov predmeta preskušanja ($k=2$). Ovrednotena je v skladu z dokumentom EA-4/16. Merilna negotovost je podana relativno (v %) glede na podan rezultat, razen za pH vrednost, za katero se merilna negotovost podaja absolutno.

Rezultati preskušanja se nanašajo izključno na vzorčene vzorce. Poročilo se brez pisnega pristanka preskusnega laboratorija na sme reproducirati, razen v celoti.



	POROČILO O PRESKUSU	Št. poročila: O2-386/21 Stran: 1 / 3 Datum: 15.04.2021   SLOVENSKA AKREDITACIJA SIST EN ISO/IEC 17025 LP-018 Rezultati označeni z # se nanašajo na neakreditirano dejavnost
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Naročnik:
Delovni nalog: DN 820
Interno naročilo: NA-0318/2021

Kraj vzorčenja: Mokrice
Vzorčevalec: Ana Ašler
Datum vzorčenja: 2021-03-16
Datum prejema vzorcev: 2021-03-19

Vrsta vzorcev: granuliran odpadек
Laboratorijska oznaka vzorca: O2-386/21
Oznaka vzorca: HE Mokrice, desni breg - gozd

REZULTATI:

PARAMETER	METODA	REZULTAT	ENOTA	MER. NEG. (%)	DATUM PRESKUŠANJA
antimon - Sb	SIST EN ISO 17294-2: 2017 modif.	#0.8	mg/kg s.s. /		01.04.2021
barij - Ba	SIST EN ISO 17294-2: 2017 modif.	#129	mg/kg s.s. /		06.04.2021
berilij - Be	SIST EN ISO 17294-2: 2017 modif.	#<3.3	mg/kg s.s. /		06.04.2021
bor - B	SIST EN ISO 17294-2: 2017 modif.	#<33.3	mg/kg s.s. /		06.04.2021
celotni dušik	SIST ISO 11261:1996 mod.	#0.188	% s.s. /		31.03.2021
celotni fosfor	PM 6.51	#380	mg/kg s.s. /		02.04.2021
celotni ogljikovodik (C10-C40)	SIST EN 14039:2005	#103	mg/kg s.s. /		13.04.2021
celotni organski ogljik - TOC	SIST EN 13137:2002	4.4	% s.s. /		01.04.2021
izluževanje	SIST EN 12457-4: 2004	I102-386/21	/		09.04.2021
lahkohlapni aromatski CH - BTX	SIST ISO 11423-1:1998	#<0.04	mg/kg s.s. /		22.03.2021
mangan - Mn	SIST EN ISO 17294-2: 2017 modif.	#424	mg/kg s.s. /		06.04.2021
masa izluževanega vzorca	SIST EN 12457-2: 2004	#115	g /		09.04.2021
molibden - Mo	SIST EN ISO 17294-2: 2017 modif.	#<2.0	mg/kg s.s. /		06.04.2021
policiklični aromatski CH - PAH	ISO 13859:2014 mod.	#<0.10	mg/kg s.s. /		26.03.2021
poliklorirani bifenili - PCB	ISO 10382:2002 mod.	#<0.10	mg/kg s.s. /		26.03.2021
selen - Se	SIST EN ISO 17294-2: 2017 modif.	#<33.3	mg/kg s.s. /		06.04.2021
suha snov (podana na sveži vzorec)	SIST EN 14346:2007, metoda A	#87.6	% 12.2		24.03.2021
talij - Tl	SIST EN ISO 17294-2: 2017 modif.	#<3.3	mg/kg s.s. /		06.04.2021
titan - Ti	SIST EN ISO 17294-2: 2017 modif.	#268	mg/kg s.s. /		01.04.2021
vanadij - V	SIST EN ISO 17294-2: 2017 modif.	#23.5	mg/kg s.s. /		06.04.2021
volumen izluževalnega medija	SIST EN 12457-2: 2004	#1000	ml /		09.04.2021
žarilna izguba	SIST EN 15169: 2007	9.2	% s.s. 6		06.04.2021
živo srebro - Hg	ISO 16772:2004 brez točke 7.4.2, modif	1.00	mg/kg s.s. 12.5		08.04.2021
arzen - As	SIST EN ISO 17294-2: 2017 modif.	#>10 (11.3)	mg/kg s.s. /		06.04.2021
baker - Cu	SIST EN ISO 17294-2: 2017 modif.	#26.5	mg/kg s.s. /		06.04.2021
cink - Zn	SIST EN ISO 17294-2: 2017 modif.	#127	mg/kg s.s. /		06.04.2021
kadmij - Cd	SIST EN ISO 17294-2: 2017 modif.	#<0.5	mg/kg s.s. /		06.04.2021
kobalt - Co	SIST EN ISO 17294-2: 2017 modif.	#6.9	mg/kg s.s. /		06.04.2021
krom - Cr	SIST EN ISO 17294-2: 2017 modif.	#30.9	mg/kg s.s. /		06.04.2021
nikelj - Ni	SIST EN ISO 17294-2: 2017 modif.	#21.6	mg/kg s.s. /		06.04.2021
svinec - Pb	SIST EN ISO 17294-2: 2017 modif.	#84.4	mg/kg s.s. /		06.04.2021
žveplo - S	ASTM D 4239 (metoda C):1997	#<0.01	% /		07.04.2021

	POROČILO O PRESKUSU	Št. poročila: O2-386/21 Stran: 2 / 3 Datum: 15.04.2021	  SLOVENSKA AKREDITACIJA SIST EN ISO/IEC 17025 LP-018 Rezultati označeni z # se nanašajo na neakreditirano dejavnost
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PARAMETER	METODA	REZULTAT	ENOTA	MER. NEG. (%)	DATUM PRESKUŠANJA
adsorbiljivi organski halogeni - AOX	SIST ISO 9562: 2005	34	ug Cl / l	12	12.04.2021
antimon - Sb	SIST EN ISO 17294-2: 2017	<0.2	ug/l	/	12.04.2021
arzen - As	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	13.04.2021
baker - Cu	SIST EN ISO 17294-2: 2017	1.6	ug/l	/	13.04.2021
barij - Ba	SIST EN ISO 17294-2: 2017	11.1	ug/l	/	13.04.2021
berilij - Be	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	13.04.2021
bor - B	SIST EN ISO 17294-2: 2017 modif.	#17.4	ug/L	/	14.04.2021
cink - Zn	SIST EN ISO 17294-2: 2017	5.8	ug/l	/	13.04.2021
fluorid	ISO 10304-1: 2007/Cor 1:2010	<1.0	mg/L	9.5	12.04.2021
kadmij - Cd	SIST EN ISO 17294-2: 2017	<0.5	ug/l	/	13.04.2021
klorid	ISO 10304-1: 2007/Cor 1:2010	<1.0	mg/L	12	12.04.2021
kobalt - Co	SIST EN ISO 17294-2: 2017	<0.2	ug/l	/	13.04.2021
kositer - Sn	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	12.04.2021
krom - Cr	SIST EN ISO 17294-2: 2017	<5.0	ug/L	/	13.04.2021
molibden - Mo	SIST EN ISO 17294-2: 2017	2.4	ug/l	/	13.04.2021
nikelj - Ni	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	13.04.2021
pH vrednost	ISO 10523: 2008	8.3	/	0.12	09.04.2021
raztopljeni organski ogljik - DOC	SIST ISO 8245: 2000	3.87	mg C/L	/	12.04.2021
selen - Se	SIST EN ISO 17294-2: 2017	<10.0	ug/l	/	13.04.2021
specifična električna prevodnost - SEP (T = 20,0 st. C)	SIST EN 27888: 1998	85.7	us/cm	/	09.04.2021
sulfat	ISO 10304-1: 2007/Cor 1:2010	2.32	mg/L	10	12.04.2021
svinec - Pb	SIST EN ISO 17294-2: 2017	0.6	ug/l	/	13.04.2021
T (pri pH)	ISO 10523: 2008	18.8	st.C	/	09.04.2021
T (pri SEP)	SIST EN 27888: 1998	19.5	st.C	/	09.04.2021
talij - Tl	SIST EN ISO 17294-2: 2017 modif.	#<1.0	ug/L	/	13.04.2021
telur - Te	SIST EN ISO 17294-2: 2017 modif.	#<10.0	ug/L	/	13.04.2021
vanadij - V	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	13.04.2021
živo srebro - Hg	SIST EN ISO 12846:2012,brez poglavja 6	<0.05	ug/L	40.4	14.04.2021
amonijev dušik	SIST ISO 5664: 1996	< 1.0*#	mg N/L	7	12.04.2021
nitritni dušik	ISO 10304-1: 2007/Cor 1:2010	<0.30	mg-N/L	15	12.04.2021
nitratni dušik	ISO 10304-1: 2007/Cor 1:2010	0.45	mg-N/L	15	12.04.2021

- rezultati se nanašajo na neakreditirano dejavnost

Opombe:

Izlužki odpadkov/tal so analizirani skladno s SIST EN 16192:2012. Detajlni podatki o pripravi vzorcev ter izvedbi izluževanja so na voljo v laboratoriju.

Suha snov določena s sušenjem v laboratorijskem sušilniku. Podatek se nanaša na vsebnost v analitskem vzorcu.

Vzorčeno po standardu SIST EN 14899:2006. Podrobni podatki o vzorčenju za namen interpretacije rezultatov se nahajajo na poročilu o vzorčenju.

Priprava vzorcev je bila izvedena po standardu SIST EN 15002:2006.

Vodja laboratorija:
Matej Suštaršič

PCB-ji predstavljajo vsoto PCB 28, 52, 101, 138, 153 in 180.

Vsoto PAH-ov predstavljajo naslednje spojine: fluoranten, benzo(a)pirena, benzo(b)fluoranten, benzo(k)fluoranten, benzo(g,h,i)perilen in indeno(1,2,3-c,d)piren.

* - rezultati so pod LOD.

Merilna negotovost (MN) je izračunana iz prispevkov negotovosti, ki izvirajo iz preskusne metode in pogojev okolja, kot tudi iz kratkotrajnih prispevkov predmeta preskušanja ($k=2$). Ovrednotena je v skladu z dokumentom EA-4/16. Merilna negotovost je podana relativno (v %) glede na podan rezultat, razen za pH vrednost, za katero se merilna negotovost podaja absolutno.

Rezultati preskušanja se nanašajo izključno na vzorčene vzorce. Poročilo se brez pisnega pristanka preskusnega laboratorija na sme reproducirati, razen v celoti.



	POROČILO O PRESKUSU	Št. poročila: O3-386/21 Stran: 1 / 3 Datum: 15.04.2021   SLOVENSKA AKREDITACIJA SIST EN ISO/IEC 17025 LP-018 Rezultati označeni z # se nanašajo na neakreditirano dejavnost
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Izvajalec: Eurofins ERICo Slovenija, Inštitut za ekološke raziskave d.o.o.,
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Naročnik:
Delovni nalog: DN 820
Interno naročilo: NA-0318/2021

Kraj vzorčenja: Mokrice
Vzorčevalec: Ana Ašler
Datum vzorčenja: 2021-03-16
Datum prejema vzorcev: 2021-03-19

Vrsta vzorcev: granuliran odpadек
Laboratorijska oznaka vzorca: O3-386/21
Oznaka vzorca: HE Mokrice, levi breg - zaraščeno

REZULTATI:

PARAMETER	METODA	REZULTAT	ENOTA	MER. NEG. (%)	DATUM PRESKUŠANJA
antimon - Sb	SIST EN ISO 17294-2: 2017 modif.	#0.8	mg/kg s.s. /		01.04.2021
barij - Ba	SIST EN ISO 17294-2: 2017 modif.	#126	mg/kg s.s. /		06.04.2021
berilij - Be	SIST EN ISO 17294-2: 2017 modif.	#<3.3	mg/kg s.s. /		06.04.2021
bor - B	SIST EN ISO 17294-2: 2017 modif.	#<33.3	mg/kg s.s. /		06.04.2021
celotni dušik	SIST ISO 11261:1996 mod.	#0.196	% s.s. /		31.03.2021
celotni fosfor	PM 6.51	#411	mg/kg s.s. /		02.04.2021
celotni ogljikovodik (C10-C40)	SIST EN 14039:2005	#55	mg/kg s.s. /		13.04.2021
celotni organski ogljik - TOC	SIST EN 13137:2002	2.8	% s.s. /		01.04.2021
izluževanje	SIST EN 12457-4: 2004	I103-386/21	/		09.04.2021
lahkohlapni aromatski CH - BTX	SIST ISO 11423-1:1998	#<0.04	mg/kg s.s. /		22.03.2021
mangan - Mn	SIST EN ISO 17294-2: 2017 modif.	#464	mg/kg s.s. /		06.04.2021
masa izluževanega vzorca	SIST EN 12457-2: 2004	#126	g /		09.04.2021
molibden - Mo	SIST EN ISO 17294-2: 2017 modif.	#<2.0	mg/kg s.s. /		06.04.2021
polciklični aromatski CH - PAH	ISO 13859:2014 mod.	#<0.10	mg/kg s.s. /		26.03.2021
poliklorirani bifenili - PCB	ISO 10382:2002 mod.	#<0.10	mg/kg s.s. /		26.03.2021
selen - Se	SIST EN ISO 17294-2: 2017 modif.	#<33.3	mg/kg s.s. /		06.04.2021
suha snov (podana na sveži vzorec)	SIST EN 14346:2007, metoda A	#80.8	% 12.2		24.03.2021
talij - Tl	SIST EN ISO 17294-2: 2017 modif.	#<3.3	mg/kg s.s. /		06.04.2021
titan - Ti	SIST EN ISO 17294-2: 2017 modif.	#300	mg/kg s.s. /		01.04.2021
vanadij - V	SIST EN ISO 17294-2: 2017 modif.	#26.1	mg/kg s.s. /		06.04.2021
volumen izluževalnega medija	SIST EN 12457-2: 2004	#1000	ml /		09.04.2021
žarilna izguba	SIST EN 15169: 2007	11.1	% s.s. 6		06.04.2021
živo srebro - Hg	ISO 16772:2004 brez točke 7.4.2, modif	0.59	mg/kg s.s. 12.5		08.04.2021
arzen - As	SIST EN ISO 17294-2: 2017 modif.	#>10 (10.9)	mg/kg s.s. /		06.04.2021
baker - Cu	SIST EN ISO 17294-2: 2017 modif.	#19.6	mg/kg s.s. /		06.04.2021
cink - Zn	SIST EN ISO 17294-2: 2017 modif.	#95.6	mg/kg s.s. /		06.04.2021
kadmij - Cd	SIST EN ISO 17294-2: 2017 modif.	#<0.5	mg/kg s.s. /		06.04.2021
kobalt - Co	SIST EN ISO 17294-2: 2017 modif.	#7.2	mg/kg s.s. /		06.04.2021
krom - Cr	SIST EN ISO 17294-2: 2017 modif.	#25.7	mg/kg s.s. /		06.04.2021
nikelj - Ni	SIST EN ISO 17294-2: 2017 modif.	#22.1	mg/kg s.s. /		06.04.2021
svinec - Pb	SIST EN ISO 17294-2: 2017 modif.	#50.5	mg/kg s.s. /		06.04.2021
žveplo - S	ASTM D 4239 (metoda C):1997	#<0.01	% /		07.04.2021

	POROČILO O PRESKUSU	Št. poročila: O3-386/21 Stran: 2 / 3 Datum: 15.04.2021  SLOVENSKA AKREDITACIJA SIST EN ISO/IEC 17025 LP-018 Rezultati označeni z # se nanašajo na neakreditirano dejavnost
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PARAMETER	METODA	REZULTAT	ENOTA	MER. NEG. (%)	DATUM PRESKUŠANJA
adsorbiljivi organski halogeni - AOX	SIST ISO 9562: 2005	49	ug Cl / l	12	12.04.2021
antimon - Sb	SIST EN ISO 17294-2: 2017	0.4	ug/l	/	12.04.2021
arzen - As	SIST EN ISO 17294-2: 2017	1.2	ug/l	/	13.04.2021
baker - Cu	SIST EN ISO 17294-2: 2017	3.2	ug/l	/	13.04.2021
barij - Ba	SIST EN ISO 17294-2: 2017	17.8	ug/l	/	13.04.2021
berilij - Be	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	13.04.2021
bor - B	SIST EN ISO 17294-2: 2017 modif.	#29.2	ug/L	/	13.04.2021
cink - Zn	SIST EN ISO 17294-2: 2017	11.8	ug/l	/	13.04.2021
fluorid	ISO 10304-1: 2007/Cor 1:2010	<1.0	mg/L	9.5	12.04.2021
kadmij - Cd	SIST EN ISO 17294-2: 2017	<0.5	ug/l	/	13.04.2021
klorid	ISO 10304-1: 2007/Cor 1:2010	<1.0	mg/L	12	12.04.2021
kobalt - Co	SIST EN ISO 17294-2: 2017	0.3	ug/l	/	13.04.2021
kositer - Sn	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	12.04.2021
krom - Cr	SIST EN ISO 17294-2: 2017	<5.0	ug/L	/	13.04.2021
molibden - Mo	SIST EN ISO 17294-2: 2017	4.0	ug/l	/	13.04.2021
nikelj - Ni	SIST EN ISO 17294-2: 2017	1.2	ug/l	/	13.04.2021
pH vrednost	ISO 10523: 2008	8.5	/	0.12	09.04.2021
raztopljeni organski ogljik - DOC	SIST ISO 8245: 2000	3.82	mg C/L	/	12.04.2021
selen - Se	SIST EN ISO 17294-2: 2017	<10.0	ug/l	/	13.04.2021
specifična električna prevodnost - SEP (T = 20,0 st. C)	SIST EN 27888: 1998	109	us/cm	/	09.04.2021
sulfat	ISO 10304-1: 2007/Cor 1:2010	3.90	mg/L	10	12.04.2021
svinec - Pb	SIST EN ISO 17294-2: 2017	5.0	ug/l	/	13.04.2021
T (pri pH)	ISO 10523: 2008	20.4	st.C	/	09.04.2021
T (pri SEP)	SIST EN 27888: 1998	20.3	st.C	/	09.04.2021
talij - Tl	SIST EN ISO 17294-2: 2017 modif.	#<1.0	ug/L	/	13.04.2021
telur - Te	SIST EN ISO 17294-2: 2017 modif.	#<10.0	ug/L	/	13.04.2021
vanadij - V	SIST EN ISO 17294-2: 2017	2.4	ug/l	/	13.04.2021
živo srebro - Hg	SIST EN ISO 12846:2012,brez poglavja 6	0.26	ug/L	40.4	14.04.2021
amonijev dušik	SIST ISO 5664: 1996	< 1.0*#	mg N/L	7	12.04.2021
nitritni dušik	ISO 10304-1: 2007/Cor 1:2010	<0.30	mg-N/L	15	12.04.2021
nitratni dušik	ISO 10304-1: 2007/Cor 1:2010	0.56	mg-N/L	15	12.04.2021

- rezultati se nanašajo na neakreditirano dejavnost

Opombe:

Izlužki odpadkov/tal so analizirani skladno s SIST EN 16192:2012. Detajlni podatki o pripravi vzorcev ter izvedbi izluževanja so na voljo v laboratoriju.

Suha snov določena s sušenjem v laboratorijskem sušilniku. Podatek se nanaša na vsebnost v analitskem vzorcu.

Vzorčeno po standardu SIST EN 14899:2006. Podrobni podatki o vzorčenju za namen interpretacije rezultatov se nahajajo na poročilu o vzorčenju.
Priprava vzorcev je bila izvedena po standardu SIST EN 15002:2006.

Vodja laboratorija:
Matej Šuštaršič

PCB-ji predstavljajo vsoto PCB 28, 52, 101, 138, 153 in 180.

Vsoto PAH-ov predstavljajo naslednje spojine: fluoranten, benzo(a)pirena, benzo(b)fluoranten, benzo(k)fluoranten, benzo(g,h,i)perilen in indeno(1,2,3-c,d)piren.

* - rezultati so pod LOD.

Merilna negotovost (MN) je izračunana iz prispevkov negotovosti, ki izvirajo iz preskusne metode in pogojev okolja, kot tudi iz kratkotrajnih prispevkov predmeta preskušanja ($k=2$). Ovrednotena je v skladu z dokumentom EA-4/16. Merilna negotovost je podana relativno (v %) glede na podan rezultat, razen za pH vrednost, za katero se merilna negotovost podaja absolutno.

Rezultati preskušanja se nanašajo izključno na vzorčne vzorce. Poročilo se brez pisnega pristanka preskusnega laboratorija na sme reproducirati, razen v celoti.



	POROČILO O PRESKUSU	Št. poročila: O4-386/21 Stran: 1 / 3 Datum: 15.04.2021   SLOVENSKA AKREDITACIJA SIST EN ISO/IEC 17025 LP-018 Rezultati označeni z # se nanašajo na neakreditirano dejavnost
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Izvajalec: Eurofins ERICo Slovenija, Inštitut za ekološke raziskave d.o.o.,
Koroška 58, 3320 Velenje
tel.: +386 3 898 1930, fax.: +386 3 898 1942

Naročnik:
Delovni nalog: DN 820
Interno naročilo: NA-0318/2021

Kraj vzorčenja: Mokrice
Vzorčevalec: Ana Ašler
Datum vzorčenja: 2021-03-16
Datum prejema vzorcev: 2021-03-19

Vrsta vzorcev: granuliran odpadke
Laboratorijska oznaka vzorca: O4-386/21
Oznaka vzorca: HE Mokrice, desni breg - zaraščeno

REZULTATI:

PARAMETER	METODA	REZULTAT	ENOTA	MER. NEG. (%)	DATUM PRESKUŠANJA
antimon - Sb	SIST EN ISO 17294-2: 2017 modif.	#0.7	mg/kg s.s. /		01.04.2021
barij - Ba	SIST EN ISO 17294-2: 2017 modif.	#114	mg/kg s.s. /		06.04.2021
berilij - Be	SIST EN ISO 17294-2: 2017 modif.	#<3.3	mg/kg s.s. /		06.04.2021
bor - B	SIST EN ISO 17294-2: 2017 modif.	#<33.3	mg/kg s.s. /		06.04.2021
celotni dušik	SIST ISO 11261:1996 mod.	#0.131	% s.s. /		31.03.2021
celotni fosfor	PM 6.51	#416	mg/kg s.s. /		02.04.2021
celotni ogljikovodiki (C10-C40)	SIST EN 14039:2005	#61	mg/kg s.s. /		13.04.2021
celotni organski ogljik - TOC	SIST EN 13137:2002	3.8	% s.s. /		01.04.2021
izluževanje	SIST EN 12457-4: 2004	I104-386/21	/		09.04.2021
lahkohlapni aromatski CH - BTX	SIST ISO 11423-1:1998	#<0.04	mg/kg s.s. /		22.03.2021
mangan - Mn	SIST EN ISO 17294-2: 2017 modif.	#444	mg/kg s.s. /		06.04.2021
masa izluževanega vzorca	SIST EN 12457-2: 2004	#124	g /		09.04.2021
molibden - Mo	SIST EN ISO 17294-2: 2017 modif.	#<2.0	mg/kg s.s. /		06.04.2021
policiklični aromatski CH - PAH	ISO 13859:2014 mod.	#<0.10	mg/kg s.s. /		26.03.2021
poliklorirani bifenili - PCB	ISO 10382:2002 mod.	#<0.10	mg/kg s.s. /		26.03.2021
selen - Se	SIST EN ISO 17294-2: 2017 modif.	#<33.3	mg/kg s.s. /		06.04.2021
suha snov (podana na sveži vzorec)	SIST EN 14346:2007, metoda A	#81.9	% 12.2		24.03.2021
talij - Tl	SIST EN ISO 17294-2: 2017 modif.	#<3.3	mg/kg s.s. /		06.04.2021
titan - Ti	SIST EN ISO 17294-2: 2017 modif.	#330	mg/kg s.s. /		01.04.2021
vanadij - V	SIST EN ISO 17294-2: 2017 modif.	#29.6	mg/kg s.s. /		06.04.2021
volumen izluževalnega medija	SIST EN 12457-2: 2004	#1000	ml /		09.04.2021
žarilna izguba	SIST EN 15169: 2007	8.3	% s.s. 6		06.04.2021
živo srebro - Hg	ISO 16772:2004 brez točke 7.4.2, modif	0.49	mg/kg s.s. 12.5		08.04.2021
arzen - As	SIST EN ISO 17294-2: 2017 modif.	#9.5	mg/kg s.s. /		06.04.2021
baker - Cu	SIST EN ISO 17294-2: 2017 modif.	#20.1	mg/kg s.s. /		06.04.2021
cink - Zn	SIST EN ISO 17294-2: 2017 modif.	#78.6	mg/kg s.s. /		06.04.2021
kadmij - Cd	SIST EN ISO 17294-2: 2017 modif.	#<0.5	mg/kg s.s. /		06.04.2021
kobalt - Co	SIST EN ISO 17294-2: 2017 modif.	#7.1	mg/kg s.s. /		06.04.2021
krom - Cr	SIST EN ISO 17294-2: 2017 modif.	#26.2	mg/kg s.s. /		06.04.2021
nikelj - Ni	SIST EN ISO 17294-2: 2017 modif.	#22.5	mg/kg s.s. /		06.04.2021
svinec - Pb	SIST EN ISO 17294-2: 2017 modif.	#37.7	mg/kg s.s. /		06.04.2021
žveplo - S	ASTM D 4239 (metoda C):1997	#<0.01	% /		07.04.2021

PARAMETER	METODA	REZULTAT	ENOTA	MER. NEG. (%)	DATUM PRESKUŠANJA
adsorbiljivi organski halogeni - AOX	SIST ISO 9562: 2005	25	ug Cl / l	12	12.04.2021
antimon - Sb	SIST EN ISO 17294-2: 2017	0.3	ug/l	/	12.04.2021
arzen - As	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	13.04.2021
baker - Cu	SIST EN ISO 17294-2: 2017	1.7	ug/l	/	13.04.2021
barij - Ba	SIST EN ISO 17294-2: 2017	23.8	ug/l	/	13.04.2021
berilij - Be	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	13.04.2021
bor - B	SIST EN ISO 17294-2: 2017 modif.	#12.3	ug/L	/	13.04.2021
cink - Zn	SIST EN ISO 17294-2: 2017	12.0	ug/l	/	13.04.2021
fluorid	ISO 10304-1: 2007/Cor 1:2010	<1.0	mg/L	9.5	12.04.2021
kadmij - Cd	SIST EN ISO 17294-2: 2017	<0.5	ug/l	/	13.04.2021
klorid	ISO 10304-1: 2007/Cor 1:2010	<1.0	mg/L	12	12.04.2021
kobalt - Co	SIST EN ISO 17294-2: 2017	0.2	ug/l	/	13.04.2021
kositer - Sn	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	12.04.2021
krom - Cr	SIST EN ISO 17294-2: 2017	<5.0	ug/L	/	13.04.2021
molibden - Mo	SIST EN ISO 17294-2: 2017	2.1	ug/l	/	13.04.2021
nikelj - Ni	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	13.04.2021
pH vrednost	ISO 10523: 2008	8.3	/	0.12	09.04.2021
raztopljeni organski ogljik - DOC	SIST ISO 8245: 2000	3.61	mg C/L	/	12.04.2021
selen - Se	SIST EN ISO 17294-2: 2017	<10.0	ug/l	/	13.04.2021
specifična električna prevodnost - SEP (T = 20,0 st. C)	SIST EN 27888: 1998	91.7	us/cm	/	09.04.2021
sulfat	ISO 10304-1: 2007/Cor 1:2010	1.96	mg/L	10	12.04.2021
svinec - Pb	SIST EN ISO 17294-2: 2017	4.2	ug/l	/	13.04.2021
T (pri pH)	ISO 10523: 2008	20.5	st.C	/	09.04.2021
T (pri SEP)	SIST EN 27888: 1998	20.3	st.C	/	09.04.2021
talij - Tl	SIST EN ISO 17294-2: 2017 modif.	#<1.0	ug/L	/	13.04.2021
telur - Te	SIST EN ISO 17294-2: 2017 modif.	#<10.0	ug/L	/	13.04.2021
vanadij - V	SIST EN ISO 17294-2: 2017	1.3	ug/l	/	13.04.2021
živo srebro - Hg	SIST EN ISO 12846:2012,brez poglavja 6	<0.05	ug/L	40.4	14.04.2021
amonijev dušik	SIST ISO 5664: 1996	< 1.0*#	mg N/L	7	12.04.2021
nitritni dušik	ISO 10304-1: 2007/Cor 1:2010	<0.30	mg-N/L	15	12.04.2021
nitratni dušik	ISO 10304-1: 2007/Cor 1:2010	0.44	mg-N/L	15	12.04.2021

- rezultati se nanašajo na neakreditirano dejavnost

Opombe:

Izlužki odpadkov/tal so analizirani skladno s SIST EN 16192:2012. Detajlni podatki o pripravi vzorcev ter izvedbi izluževanja so na voljo v laboratoriju.

Suha snov določena s sušenjem v laboratorijskem sušilniku. Podatek se nanaša na vsebnost v analitskem vzorcu.

Vzorčeno po standardu SIST EN 14899:2006. Podrobni podatki o vzorčenju za namen interpretacije rezultatov se nahajajo na poročilu o vzorčenju. Priprava vzorcev je bila izvedena po standardu SIST EN 15002:2006.

Vodja laboratorija:
Matej Sušarskič

PCB-ji predstavljajo vsoto PCB 28, 52, 101, 138, 153 in 180.

Vsoto PAH-ov predstavljajo naslednje spojine: fluoranten, benzo(a)pirena, benzo(b)fluoranten, benzo(k)fluoranten, benzo(g,h,i)perilen in indeno(1,2,3-c,d)piren.

* - rezultati so pod LOD.

Merilna negotovost (MN) je izračunana iz prispevkov negotovosti, ki izvirajo iz preskusne metode in pogojev okolja, kot tudi iz kratkotrajnih prispevkov predmeta preskušanja ($k=2$). Ovrednotena je v skladu z dokumentom EA-4/16. Merilna negotovost je podana relativno (v %) glede na podan rezultat, razen za pH vrednost, za katero se merilna negotovost podaja absolutno.

Rezultati preskušanja se nanašajo izključno na vzorčene vzorce. Poročilo se brez pisnega pristanka preskusnega laboratorija na sme reproducirati, razen v celoti.



	POROČILO O PRESKUSU	Št. poročila: O1-387/21 Stran: 1 / 3 Datum: 29.04.2021   SLOVENSKA AKREDITACIJA SIST EN ISO/IEC 17025 LP-018 Rezultati označeni z # se nanašajo na neakreditirano dejavnost
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Izvajalec: Eurofins ERICO Slovenija, Inštitut za ekološke raziskave d.o.o.,
 Koroška 58, 3320 Velenje
 tel.: +386 3 898 1930, fax.: +386 3 898 1942

Naročnik:
 Delovni nalog: DN 820
 Interno naročilo: NA-0320/2021

Vrsta vzorcev: granuliran odpadек
 Laboratorijska oznaka vzorca: O1-387/21
 Oznaka vzorca: HE Mokrice, desni breg - travnik

Kraj vzorčenja: Mokrice
 Vzorčevalec: Ana Ašler
 Datum vzorčenja: 2021-03-16
 Datum prejema vzorcev: 2021-03-19

REZULTATI:

PARAMETER	METODA	REZULTAT	ENOTA	MER. NEG. (%)	DATUM PRESKUŠANJA
antimon - Sb	SIST EN ISO 17294-2: 2017 modif.	#<0.7	mg/kg s.s. /		01.04.2021
arzen - As	SIST EN ISO 17294-2:2017 modif.	<10 (10.1)	mg/kg s.s. /		07.04.2021
baker - Cu	SIST EN ISO 17294-2:2017 modif.	17.5	mg/kg s.s. /		07.04.2021
barij - Ba	SIST EN ISO 17294-2: 2017 modif.	#194	mg/kg s.s. /		07.04.2021
berilij - Be	SIST EN ISO 17294-2: 2017 modif.	#<3.3	mg/kg s.s. /		07.04.2021
bor - B	SIST EN ISO 17294-2: 2017 modif.	#<33.3	mg/kg s.s. /		07.04.2021
celotni dušik	SIST ISO 11261:1996 mod.	#Ni merjeno!	% s.s. /		08.04.2021
celotni fosfor	PM 6.51	#325	mg/kg s.s. /		02.04.2021
celotni ogljikovodiki (C10-C40)	SIST EN 14039:2005	#50	mg/kg s.s. /		13.04.2021
celotni organski ogljik - TOC	SIST EN 13137:2002	3.5	% s.s. /		01.04.2021
cink - Zn	SIST EN ISO 17294-2:2017 modif.	101	mg/kg s.s. /		07.04.2021
izluževanje	SIST EN 12457-4: 2004	I101-387/21	/		30.03.2021
kadmij - Cd	SIST EN ISO 17294-2:2017 modif.	<0.5	mg/kg s.s. /		07.04.2021
kobalt - Co	SIST EN ISO 17294-2:2017 modif.	6.7	mg/kg s.s. /		07.04.2021
krom - Cr	SIST EN ISO 17294-2:2017 modif.	36.8	mg/kg s.s. /		07.04.2021
lahkohlapni aromatski CH - BTX	SIST ISO 11423-1:1998	#<0.04	mg/kg s.s. /		22.03.2021
mangan - Mn	SIST EN ISO 17294-2: 2017 modif.	#449	mg/kg s.s. /		07.04.2021
masa izluževanega vzorca	SIST EN 12457-2: 2004	#122	g /		29.03.2021
molibden - Mo	SIST EN ISO 17294-2: 2017 modif.	#<2.0	mg/kg s.s. /		07.04.2021
nikelj - Ni	SIST EN ISO 17294-2:2017 modif.	21.5	mg/kg s.s. /		07.04.2021
poliklični aromatski CH - PAH	ISO 13859:2014 mod.	#<0.10	mg/kg s.s. /		31.03.2021
poliklorirani bifenili - PCB	ISO 10382:2002 mod.	#<0.10	mg/kg s.s. /		31.03.2021
selen - Se	SIST EN ISO 17294-2: 2017 modif.	#<33.3	mg/kg s.s. /		07.04.2021
suha snov (podana na sveži vzorec)	SIST EN 14346:2007, metoda A	#83.4	% 12.2		25.03.2021
svinec - Pb	SIST EN ISO 17294-2:2017 modif.	51.8	mg/kg s.s. /		07.04.2021
talij - Tl	SIST EN ISO 17294-2: 2017 modif.	#<3.3	mg/kg s.s. /		07.04.2021
titan - Ti	SIST EN ISO 17294-2: 2017 modif.	#363	mg/kg s.s. /		01.04.2021
vanadij - V	SIST EN ISO 17294-2: 2017 modif.	#28.5	mg/kg s.s. /		07.04.2021
volumen izluževalnega medija	SIST EN 12457-2: 2004	#1000	ml /		29.03.2021
žarilna izguba	SIST EN 15169: 2007	7.9	% s.s. 6		31.03.2021
živo srebro - Hg	ISO 16772:2004 brez točke 7.4.2, modif	0.72	mg/kg s.s. 12.5		08.04.2021
žveplo - S	ASTM D 4239 (metoda C):1997	#<0.01	% /		31.03.2021
suha snov	SIST EN 14346:2007, metoda A	#99.0	% /		25.03.2021

PARAMETER	METODA	REZULTAT	ENOTA	MER. NEG. (%)	DATUM PRESKUŠANJA
I101-387/21 - izlužki					
adsorbiljni organski halogeni - AOX	SIST ISO 9562: 2005	< 10	ug Cl / l	12	01.04.2021
antimon - Sb	SIST EN ISO 17294-2: 2017	<0.2	ug/l	/	12.04.2021
arzen - As	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	06.04.2021
baker - Cu	SIST EN ISO 17294-2: 2017	2.3	ug/l	/	06.04.2021
barij - Ba	SIST EN ISO 17294-2: 2017	16.8	ug/l	/	06.04.2021
berilij - Be	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	06.04.2021
bor - B	SIST EN ISO 17294-2: 2017 modif.	#53.6	ug/L	/	06.04.2021
čink - Zn	SIST EN ISO 17294-2: 2017	28.2	ug/l	/	06.04.2021
fluorid	ISO 10304-1: 2007/Cor 1:2010	<1.0	mg/L	9.5	12.04.2021
kadmij - Cd	SIST EN ISO 17294-2: 2017	<0.5	ug/l	/	06.04.2021
klorid	ISO 10304-1: 2007/Cor 1:2010	<1.0	mg/L	12	12.04.2021
kobalt - Co	SIST EN ISO 17294-2: 2017	<0.2	ug/l	/	06.04.2021
kositer - Sn	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	12.04.2021
krom - Cr	SIST EN ISO 17294-2: 2017	<5.0	ug/L	/	06.04.2021
molibden - Mo	SIST EN ISO 17294-2: 2017	0.9	ug/l	/	06.04.2021
nikelj - Ni	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	06.04.2021
pH vrednost	ISO 10523: 2008	8.7	/	0.12	30.03.2021
raztopljeni organski ogljik - DOC	SIST ISO 8245: 2000	2.04	mg C/L	/	12.04.2021
selen - Se	SIST EN ISO 17294-2: 2017	<10.0	ug/l	/	06.04.2021
specifična električna prevodnost - SEP (T = 20,0 st. C)	SIST EN 27888: 1998	50.7	us/cm	/	30.03.2021
sulfat	ISO 10304-1: 2007/Cor 1:2010	<1.0	mg/L	10	12.04.2021
svinec - Pb	SIST EN ISO 17294-2: 2017	0.9	ug/l	/	06.04.2021
T (pri pH)	ISO 10523: 2008	20.1	st.C	/	30.03.2021
T (pri SEP)	SIST EN 27888: 1998	20.2	st.C	/	30.03.2021
talij - Tl	SIST EN ISO 17294-2: 2017 modif.	#<1.0	ug/L	/	06.04.2021
telur - Te	SIST EN ISO 17294-2: 2017 modif.	#<10.0	ug/L	/	06.04.2021
vanadij - V	SIST EN ISO 17294-2: 2017	1.0	ug/l	/	06.04.2021
živo srebro - Hg	SIST EN ISO 12846:2012,brez poglavja 2.826	2.82	ug/L	40.4	08.04.2021
amonijev dušik	SIST ISO 5664: 1996	< 1.0*#	mg N/L	7	31.03.2021
nitritni dušik	ISO 10304-1: 2007/Cor 1:2010	<0.30	mg-N/L	15	12.04.2021
nitratni dušik	ISO 10304-1: 2007/Cor 1:2010	<0.23	mg-N/L	15	12.04.2021

- rezultati se nanašajo na neakreditirano dejavnost

Opombe:

Vzorec je negorljiv, zato analiza žvepla po standardu SIST EN 15408:2011 ni mogoča. Izlužki odpadkov/tal so analizirani skladno s SIST EN 16192:2012. Detajlni podatki o pripravi vzorcev ter izvedbi izluževanja so na voljo v laboratoriju.

Suha snov določena s sušenjem v laboratorijskem sušilniku. Podatek se nanaša na vsebnost v analitskem vzorcu.

Vzorčeno po standardu SIST EN 14899:2006. Podrobni podatki o vzorčenju za namen interpretacije rezultatov se nahajajo na poročilu o vzorčenju.

Vodja laboratorija
Matej Šuštaršič

Priprava vzorcev je bila izvedena po standardu SIST EN 15002:2006.

PCB-ji predstavljajo vsoto PCB 28, 52, 101, 138, 153 in 180.

Vsoto PAH-ov predstavljajo naslednje spojine: fluoranten, benzo(a)pirena, benzo(b)fluoranten, benzo(k)fluoranten, benzo(g,h,i)perilen in indeno(1,2,3-c,d)piren.

* - rezultati so pod LOD.

Merilna negotovost (MN) je izračunana iz prispevkov negotovosti, ki izvirajo iz preskusne metode in pogojev okolja, kot tudi iz kratkotrajnih prispevkov predmeta preskušanja ($k=2$). Ovrედnotena je v skladu z dokumentom EA-4/16. Merilna negotovost je podana relativno (v %) glede na podan rezultat, razen za pH vrednost, za katero se merilna negotovost podaja absolutno.

Rezultati preskušanja se nanašajo izključno na vzorčene vzorce. Poročilo se brez pisnega pristanka preskusnega laboratorija na sme reproducirati, razen v celoti.



	POROČILO O PRESKUSU	Št. poročila: O2-387/21 Stran: 1 / 3 Datum: 29.04.2021   SLOVENSKA AKREDITACIJA SIST EN ISO/IEC 17025 LP-018 Rezultati označeni z # se nanašajo na neakreditirano dejavnost
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Izvajalec: Eurofins ERICO Slovenija, Inštitut za ekološke raziskave d.o.o.,
Koroška 58, 3320 Velenje
tel.: +386 3 898 1930, fax.: +386 3 898 1942

Naročnik:
Delovni nalog: DN 820
Interno naročilo: NA-0320/2021

Kraj vzorčenja: Mokrice
Vzorčevalec: Ana Ašler
Datum vzorčenja: 2021-03-16
Datum prejema vzorcev: 2021-03-19

Vrsta vzorcev: granuliran odpadек
Laboratorijska oznaka vzorca: O2-387/21
Oznaka vzorca: HE Mokrice, levi breg - travnik

REZULTATI:

PARAMETER	METODA	REZULTAT	ENOTA	MER. NEG. (%)	DATUM PRESKUŠANJA
antimon - Sb	SIST EN ISO 17294-2: 2017 modif.	#<0.7	mg/kg s.s. /		01.04.2021
arzen - As	SIST EN ISO 17294-2:2017 modif.	>10 (10.2)	mg/kg s.s. /		07.04.2021
baker - Cu	SIST EN ISO 17294-2:2017 modif.	21.5	mg/kg s.s. /		07.04.2021
barij - Ba	SIST EN ISO 17294-2: 2017 modif.	#147	mg/kg s.s. /		07.04.2021
berilij - Be	SIST EN ISO 17294-2: 2017 modif.	#<3.3	mg/kg s.s. /		07.04.2021
bor - B	SIST EN ISO 17294-2: 2017 modif.	#<33.3	mg/kg s.s. /		07.04.2021
celotni dušik	SIST ISO 11261:1996 mod.	#0.127	% s.s. /		08.04.2021
celotni fosfor	PM 6.51	#443	mg/kg s.s. /		02.04.2021
celotni ogljikovodiki (C10-C40)	SIST EN 14039:2005	#51	mg/kg s.s. /		13.04.2021
celotni organski ogljik - TOC	SIST EN 13137:2002	3.1	% s.s. /		01.04.2021
cink - Zn	SIST EN ISO 17294-2:2017 modif.	94.7	mg/kg s.s. /		07.04.2021
izluževanje	SIST EN 12457-4: 2004	I102-387/21	/		30.03.2021
kadmij - Cd	SIST EN ISO 17294-2:2017 modif.	<0.5	mg/kg s.s. /		07.04.2021
kobalt - Co	SIST EN ISO 17294-2:2017 modif.	7.0	mg/kg s.s. /		07.04.2021
krom - Cr	SIST EN ISO 17294-2:2017 modif.	26.4	mg/kg s.s. /		07.04.2021
lahkohlapni aromatski CH - BTX	SIST ISO 11423-1:1998	#<0.04	mg/kg s.s. /		22.03.2021
mangan - Mn	SIST EN ISO 17294-2: 2017 modif.	#456	mg/kg s.s. /		07.04.2021
masa izluževanega vzorca	SIST EN 12457-2: 2004	#136	g /		29.03.2021
molibden - Mo	SIST EN ISO 17294-2: 2017 modif.	#<2.0	mg/kg s.s. /		07.04.2021
nikelj - Ni	SIST EN ISO 17294-2:2017 modif.	21.9	mg/kg s.s. /		07.04.2021
policiklični aromatski CH - PAH	ISO 13859:2014 mod.	#<0.10	mg/kg s.s. /		31.03.2021
poliklorirani bifenili - PCB	ISO 10382:2002 mod.	#<0.10	mg/kg s.s. /		31.03.2021
selen - Se	SIST EN ISO 17294-2: 2017 modif.	#<33.3	mg/kg s.s. /		07.04.2021
suha snov (podana na sveži vzorec)	SIST EN 14346:2007, metoda A	#77.5	% 12.2		25.03.2021
svinec - Pb	SIST EN ISO 17294-2:2017 modif.	49.8	mg/kg s.s. /		07.04.2021
talij - Tl	SIST EN ISO 17294-2: 2017 modif.	#<3.3	mg/kg s.s. /		07.04.2021
titan - Ti	SIST EN ISO 17294-2: 2017 modif.	#300	mg/kg s.s. /		01.04.2021
vanadij - V	SIST EN ISO 17294-2: 2017 modif.	#26.5	mg/kg s.s. /		07.04.2021
volumen izluževalnega medija	SIST EN 12457-2: 2004	#1000	ml /		29.03.2021
žarilna izguba	SIST EN 15169: 2007	10.7	% s.s. 6		31.03.2021
živo srebro - Hg	ISO 16772:2004 brez točke 7.4.2, modif	0.55	mg/kg s.s. 12.5		08.04.2021
žveplo - S	ASTM D 4239 (metoda C):1997	#<0.01	% /		31.03.2021
suha snov	SIST EN 14346:2007, metoda A	#99.1	% /		25.03.2021

PARAMETER	METODA	REZULTAT	ENOTA	MER. NEG. (%)	DATUM PRESKUŠANJA
I102-387/21 - izlužki					
adsorbiljni organski halogeni - AOX	SIST ISO 9562: 2005	< 10	ug Cl / l	12	01.04.2021
antimon - Sb	SIST EN ISO 17294-2: 2017	<0.2	ug/l	/	12.04.2021
arzen - As	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	06.04.2021
baker - Cu	SIST EN ISO 17294-2: 2017	1.7	ug/l	/	06.04.2021
barij - Ba	SIST EN ISO 17294-2: 2017	15.6	ug/l	/	06.04.2021
berilij - Be	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	06.04.2021
bor - B	SIST EN ISO 17294-2: 2017 modif.	#50.0	ug/L	/	06.04.2021
cink - Zn	SIST EN ISO 17294-2: 2017	6.7	ug/l	/	06.04.2021
fluorid	ISO 10304-1: 2007/Cor 1:2010	<1.0	mg/L	9.5	12.04.2021
kadmij - Cd	SIST EN ISO 17294-2: 2017	<0.5	ug/l	/	06.04.2021
klorid	ISO 10304-1: 2007/Cor 1:2010	<1.0	mg/L	12	12.04.2021
kobalt - Co	SIST EN ISO 17294-2: 2017	<0.2	ug/l	/	06.04.2021
kositer - Sn	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	12.04.2021
krom - Cr	SIST EN ISO 17294-2: 2017	<5.0	ug/L	/	06.04.2021
molibden - Mo	SIST EN ISO 17294-2: 2017	1.1	ug/l	/	06.04.2021
nikelj - Ni	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	06.04.2021
pH vrednost	ISO 10523: 2008	8.6	/	0.12	30.03.2021
raztopljeni organski ogljik - DOC	SIST ISO 8245: 2000	2.73	mg C/L	/	12.04.2021
selen - Se	SIST EN ISO 17294-2: 2017	<10.0	ug/l	/	06.04.2021
specifična električna prevodnost - SEP (T = 20,0 st. C)	SIST EN 27888: 1998	65.8	us/cm	/	30.03.2021
sulfat	ISO 10304-1: 2007/Cor 1:2010	<1.0	mg/L	10	12.04.2021
svinec - Pb	SIST EN ISO 17294-2: 2017	0.7	ug/l	/	06.04.2021
T (pri pH)	ISO 10523: 2008	16.9	st.C	/	30.03.2021
T (pri SEP)	SIST EN 27888: 1998	20.5	st.C	/	30.03.2021
talij - Tl	SIST EN ISO 17294-2: 2017 modif.	#<1.0	ug/L	/	06.04.2021
telur - Te	SIST EN ISO 17294-2: 2017 modif.	#<10.0	ug/L	/	06.04.2021
vanadij - V	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	06.04.2021
živo srebro - Hg	SIST EN ISO 12846:2012,brez poglavja 6	0.40	ug/L	40.4	08.04.2021
amonijev dušik	SIST ISO 5664: 1996	< 1.0*#	mg N/L	7	31.03.2021
nitritni dušik	ISO 10304-1: 2007/Cor 1:2010	<0.30	mg-N/L	15	12.04.2021
nitratni dušik	ISO 10304-1: 2007/Cor 1:2010	<0.23	mg-N/L	15	12.04.2021

- rezultati se nanašajo na neakreditirano dejavnost

Opombe:

Vzorec je negorljiv, zato analiza žvepla po standardu SIST EN 15408:2011 ni mogoča. Izlužki odpadkov/tal so analizirani skladno s SIST EN 16192:2012. Detajlni podatki o pripravi vzorcev ter izvedbi izluževanja so na voljo v laboratoriju.

Suha snov določena s sušenjem v laboratorijskem sušilniku. Podatek se nanaša na vsebnost v analitskem vzorcu.

Vzorčeno po standardu SIST EN 14899:2006. Podrobni podatki o vzorčenju za namen interpretacije rezultatov se nahajajo na poročilu o vzorčenju.

Vodja laboratorija:
Matej Šušlaršič

Priprava vzorcev je bila izvedena po standardu SIST EN 15002:2006.

PCB-ji predstavljajo vsoto PCB 28, 52, 101, 138, 153 in 180.

Vsoto PAH-ov predstavljajo naslednje spojine: fluoranten, benzo(a)pirena, benzo(b)fluoranten, benzo(k)fluoranten, benzo(g,h,i)perilen in indeno(1,2,3-c,d)piren.

* - rezultati so pod LOD.

Merilna negotovost (MN) je izračunana iz prispevkov negotovosti, ki izvirajo iz preskusne metode in pogojev okolja, kot tudi iz kratkotrajnih prispevkov predmeta preskušanja ($k=2$). Ovrednotena je v skladu z dokumentom EA-4/16. Merilna negotovost je podana relativno (v %) glede na podan rezultat, razen za pH vrednost, za katero se merilna negotovost podaja absolutno.

Rezultati preskušanja se nanašajo izključno na vzorčene vzorce. Poročilo se brez pisnega pristanka preskusnega laboratorija na sme reproducirati, razen v celoti.



	POROČILO O PRESKUSU	Št. poročila: O3-387/21 Stran: 1 / 3 Datum: 29.04.2021   SLOVENSKA AKREDITACIJA SIST EN ISO/IEC 17025 LP-018 Rezultati označeni z # se nanašajo na neakreditirano dejavnost
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Izvajalec: Eurofins ERICO Slovenija, Inštitut za ekološke raziskave d.o.o.,
Koroška 58, 3320 Velenje
tel.: +386 3 898 1930, fax.: +386 3 898 1942

Naročnik:
Delovni nalog: DN 820
Interno naročilo: NA-0320/2021

Vrsta vzorcev: granuliran odpadke
Laboratorijska oznaka vzorca: O3-387/21
Oznaka vzorca: HE Mokrice, desni breg - njiva

Kraj vzorčenja: Mokrice
Vzorčevalec: Ana Ašler
Datum vzorčenja: 2021-03-16
Datum prejema vzorcev: 2021-03-19

REZULTATI:

PARAMETER	METODA	REZULTAT	ENOTA	MER. NEG. (%)	DATUM PRESKUŠANJA
antimon - Sb	SIST EN ISO 17294-2: 2017 modif.	#<0.7	mg/kg s.s. /		01.04.2021
arzen - As	SIST EN ISO 17294-2:2017 modif.	9.5	mg/kg s.s. /		07.04.2021
baker - Cu	SIST EN ISO 17294-2:2017 modif.	14.6	mg/kg s.s. /		07.04.2021
barij - Ba	SIST EN ISO 17294-2: 2017 modif.	#191	mg/kg s.s. /		07.04.2021
berilij - Be	SIST EN ISO 17294-2: 2017 modif.	#<3.3	mg/kg s.s. /		07.04.2021
bor - B	SIST EN ISO 17294-2: 2017 modif.	#<33.3	mg/kg s.s. /		07.04.2021
celotni dušik	SIST ISO 11261:1996 mod.	#0.098	% s.s. /		08.04.2021
celotni fosfor	PM 6.51	#416	mg/kg s.s. /		02.04.2021
celotni ogljikovodiki (C10-C40)	SIST EN 14039:2005	#56	mg/kg s.s. /		13.04.2021
celotni organski ogljik - TOC	SIST EN 13137:2002	3.1	% s.s. /		01.04.2021
cink - Zn	SIST EN ISO 17294-2:2017 modif.	105	mg/kg s.s. /		07.04.2021
izluževanje	SIST EN 12457-4: 2004	I103-387/21	/		30.03.2021
kadmij - Cd	SIST EN ISO 17294-2:2017 modif.	<0.5	mg/kg s.s. /		07.04.2021
kobalt - Co	SIST EN ISO 17294-2:2017 modif.	6.7	mg/kg s.s. /		07.04.2021
krom - Cr	SIST EN ISO 17294-2:2017 modif.	43.1	mg/kg s.s. /		07.04.2021
lahkohlapni aromatski CH - BTX	SIST ISO 11423-1:1998	#<0.04	mg/kg s.s. /		22.03.2021
mangan - Mn	SIST EN ISO 17294-2: 2017 modif.	#469	mg/kg s.s. /		07.04.2021
masa izluževanega vzorca	SIST EN 12457-2: 2004	#124	g /		29.03.2021
molibden - Mo	SIST EN ISO 17294-2: 2017 modif.	#<2.0	mg/kg s.s. /		07.04.2021
nikelj - Ni	SIST EN ISO 17294-2:2017 modif.	20.9	mg/kg s.s. /		07.04.2021
poliklični aromatski CH - PAH	ISO 13859:2014 mod.	#<0.10	mg/kg s.s. /		31.03.2021
poliklorirani bifenili - PCB	ISO 10382:2002 mod.	#<0.10	mg/kg s.s. /		31.03.2021
selen - Se	SIST EN ISO 17294-2: 2017 modif.	#<33.3	mg/kg s.s. /		07.04.2021
suha snov (podana na sveži vzorec)	SIST EN 14346:2007, metoda A	#81.9	% 12.2		25.03.2021
svinec - Pb	SIST EN ISO 17294-2:2017 modif.	61.0	mg/kg s.s. /		07.04.2021
talij - Tl	SIST EN ISO 17294-2: 2017 modif.	#<3.3	mg/kg s.s. /		07.04.2021
titan - Ti	SIST EN ISO 17294-2: 2017 modif.	#331	mg/kg s.s. /		01.04.2021
vanadij - V	SIST EN ISO 17294-2: 2017 modif.	#28.1	mg/kg s.s. /		07.04.2021
volumen izluževalnega medija	SIST EN 12457-2: 2004	#1000	ml /		29.03.2021
žarilna izguba	SIST EN 15169: 2007	8.2	% s.s. 6		31.03.2021
živo srebro - Hg	ISO 16772:2004 brez točke 7.4.2, modif	0.63	mg/kg s.s. 12.5		08.04.2021
žveplo - S	ASTM D 4239 (metoda C):1997	#<0.01	% /		31.03.2021
suha snov	SIST EN 14346:2007, metoda A	#99.1	% /		25.03.2021

	POROČILO O PRESKUSU	Št. poročila: O3-387/21 Stran: 2 / 3 Datum: 29.04.2021	  SLOVENSKA AKREDITACIJA SIST EN ISO/IEC 17025 LP-018 Rezultati označeni z # se nanašajo na neakreditirano dejavnost
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PARAMETER	METODA	REZULTAT	ENOTA	MER. NEG. (%)	DATUM PRESKUŠANJA
I103-387/21 - izlužki					
adsorbiljivi organski halogeni - AOX	SIST ISO 9562: 2005	< 10	ug Cl / l	12	01.04.2021
antimon - Sb	SIST EN ISO 17294-2: 2017	<0.2	ug/l	/	12.04.2021
arzen - As	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	06.04.2021
baker - Cu	SIST EN ISO 17294-2: 2017	10.4	ug/l	/	06.04.2021
barij - Ba	SIST EN ISO 17294-2: 2017	10.4	ug/l	/	06.04.2021
berilij - Be	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	06.04.2021
bor - B	SIST EN ISO 17294-2: 2017 modif.	#49.3	ug/L	/	06.04.2021
cink - Zn	SIST EN ISO 17294-2: 2017	10.7	ug/l	/	06.04.2021
fluorid	ISO 10304-1: 2007/Cor 1:2010	<1.0	mg/L	9.5	12.04.2021
kadmij - Cd	SIST EN ISO 17294-2: 2017	<0.5	ug/l	/	06.04.2021
klorid	ISO 10304-1: 2007/Cor 1:2010	<1.0	mg/L	12	12.04.2021
kobalt - Co	SIST EN ISO 17294-2: 2017	<0.2	ug/l	/	06.04.2021
kositer - Sn	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	12.04.2021
krom - Cr	SIST EN ISO 17294-2: 2017	<5.0	ug/L	/	06.04.2021
molibden - Mo	SIST EN ISO 17294-2: 2017	2.7	ug/l	/	06.04.2021
nikelj - Ni	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	06.04.2021
pH vrednost	ISO 10523: 2008	8.7	/	0.12	30.03.2021
raztopljeni organski ogljik - DOC	SIST ISO 8245: 2000	2.43	mg C/L	/	12.04.2021
selen - Se	SIST EN ISO 17294-2: 2017	<10.0	ug/l	/	06.04.2021
specifična električna prevodnost - SEP (T = 20,0 st. C)	SIST EN 27888: 1998	90.2	us/cm	/	30.03.2021
sulfat	ISO 10304-1: 2007/Cor 1:2010	1.71	mg/L	10	12.04.2021
svinec - Pb	SIST EN ISO 17294-2: 2017	1.3	ug/l	/	06.04.2021
T (pri pH)	ISO 10523: 2008	21.7	st.C	/	30.03.2021
T (pri SEP)	SIST EN 27888: 1998	20.5	st.C	/	30.03.2021
talij - Tl	SIST EN ISO 17294-2: 2017 modif.	#<1.0	ug/L	/	06.04.2021
telur - Te	SIST EN ISO 17294-2: 2017 modif.	#<10.0	ug/L	/	06.04.2021
vanadij - V	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	06.04.2021
živo srebro - Hg	SIST EN ISO 12846:2012,brez poglavja 6	<0.05	ug/L	40.4	08.04.2021
amonijev dušik	SIST ISO 5664: 1996	< 1.0*#	mg N/L	7	31.03.2021
nitritni dušik	ISO 10304-1: 2007/Cor 1:2010	<0.30	mg-N/L	15	12.04.2021
nitratni dušik	ISO 10304-1: 2007/Cor 1:2010	0.38	mg-N/L	15	12.04.2021

- rezultati se nanašajo na neakreditirano dejavnost

Opombe:

Vzorec je negorljiv, zato analiza žvepla po standardu SIST EN 15408:2011 ni mogoča. Izlužki odpadkov/tal so analizirani skladno s SIST EN 16192:2012. Detajlni podatki o pripravi vzorcev ter izvedbi izluževanja so na voljo v laboratoriju.

Suha snov določena s sušenjem v laboratorijskem sušilniku. Podatek se nanaša na vsebnost v analitskem vzorcu.

Vzorčeno po standardu SIST EN 14899:2006. Podrobni podatki o vzorčenju za namen interpretacije rezultatov se nahajajo na poročilu o vzorčenju.

Vodja laboratorija:
Matej Šuštaršič

Priprava vzorcev je bila izvedena po standardu SIST EN 15002:2006.

PCB-ji predstavljajo vsoto PCB 28, 52, 101, 138, 153 in 180.

Vsoto PAH-ov predstavljajo naslednje spojine: fluoranten, benzo(a)pirena, benzo(b)fluoranten, benzo(k)fluoranten, benzo(g,h,i)perilen in indeno(1,2,3-c,d)piren.

* - rezultati so pod LOD.

Merilna negotovost (MN) je izračunana iz prispevkov negotovosti, ki izvirajo iz preskusne metode in pogojev okolja, kot tudi iz kratkotrajnih prispevkov predmeta preskušanja ($k=2$). Ovrednotena je v skladu z dokumentom EA-4/16. Merilna negotovost je podana relativno (v %) glede na podan rezultat, razen za pH vrednost, za katero se merilna negotovost podaja absolutno.

Rezultati preskušanja se nanašajo izključno na vzorčene vzorce. Poročilo se brez pisnega pristanka preskusnega laboratorija na sme reproducirati, razen v celoti.



	POROČILO O PRESKUSU	Št. poročila: O4-387/21 Stran: 1 / 3 Datum: 29.04.2021   SLOVENSKA AKREDITACIJA SIST EN ISO/IEC 17025 LP-018 Rezultati označeni z # se nanašajo na neakreditirano dejavnost
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Izvajalec: Eurofins ERICO Slovenija, Inštitut za ekološke raziskave d.o.o.,
Koroška 58, 3320 Velenje
tel.: +386 3 898 1930, fax.: +386 3 898 1942

Naročnik:
Delovni nalog: DN 820
Interno naročilo: NA-0320/2021

Kraj vzorčenja: Mokrice
Vzorčevalec: Ana Ašler
Datum vzorčenja: 2021-03-16
Datum prejema vzorcev: 2021-03-19

Vrsta vzorcev: granuliran odpadek
Laboratorijska oznaka vzorca: O4-387/21
Oznaka vzorca: HE Mokrice, levi breg - njiva

REZULTATI:

PARAMETER	METODA	REZULTAT	ENOTA	MER. NEG. (%)	DATUM PRESKUŠANJA
antimon - Sb	SIST EN ISO 17294-2: 2017 modif.	#0.7	mg/kg s.s. /		12.04.2021
arzen - As	SIST EN ISO 17294-2:2017 modif.	>10 (10.6)	mg/kg s.s. /		06.04.2021
baker - Cu	SIST EN ISO 17294-2:2017 modif.	22.5	mg/kg s.s. /		06.04.2021
barij - Ba	SIST EN ISO 17294-2: 2017 modif.	##(122)	mg/kg s.s. /		06.04.2021
berilij - Be	SIST EN ISO 17294-2: 2017 modif.	##<3.3	mg/kg s.s. /		06.04.2021
bor - B	SIST EN ISO 17294-2: 2017 modif.	##<33.3	mg/kg s.s. /		06.04.2021
celotni dušik	SIST ISO 11261:1996 mod.	#0.115	% s.s. /		08.04.2021
celotni fosfor	PM 6.51	#443	mg/kg s.s. /		08.04.2021
celotni ogljikovodiki (C10-C40)	SIST EN 14039:2005	##<50	mg/kg s.s. /		13.04.2021
celotni organski ogljik - TOC	SIST EN 13137:2002	2.8	% s.s. /		01.04.2021
cink - Zn	SIST EN ISO 17294-2:2017 modif.	96.6	mg/kg s.s. /		06.04.2021
izluževanje	SIST EN 12457-4: 2004	I104-387/21	/		30.03.2021
kadmij - Cd	SIST EN ISO 17294-2:2017 modif.	<0.5	mg/kg s.s. /		06.04.2021
kobalt - Co	SIST EN ISO 17294-2:2017 modif.	8.0	mg/kg s.s. /		06.04.2021
krom - Cr	SIST EN ISO 17294-2:2017 modif.	32.8	mg/kg s.s. /		06.04.2021
lahkohlapni aromatski CH - BTX	SIST ISO 11423-1:1998	##<0.04	mg/kg s.s. /		22.03.2021
mangan - Mn	SIST EN ISO 17294-2: 2017 modif.	##519	mg/kg s.s. /		06.04.2021
masa izluževanega vzorca	SIST EN 12457-2: 2004	##124	g /		29.03.2021
molibden - Mo	SIST EN ISO 17294-2: 2017 modif.	##<2.0	mg/kg s.s. /		06.04.2021
nikelj - Ni	SIST EN ISO 17294-2:2017 modif.	24.9	mg/kg s.s. /		06.04.2021
policiklični aromatski CH - PAH	ISO 13859:2014 mod.	##<0.10	mg/kg s.s. /		31.03.2021
poliklorirani bifenili - PCB	ISO 10382:2002 mod.	##<0.10	mg/kg s.s. /		31.03.2021
selen - Se	SIST EN ISO 17294-2: 2017 modif.	##<33.3	mg/kg s.s. /		06.04.2021
suha snov (podana na sveži vzorec)	SIST EN 14346:2007, metoda A	##81.5	% 12.2		25.03.2021
svinec - Pb	SIST EN ISO 17294-2:2017 modif.	46.3	mg/kg s.s. /		06.04.2021
talij - Tl	SIST EN ISO 17294-2: 2017 modif.	##<3.3	mg/kg s.s. /		06.04.2021
titan - Ti	SIST EN ISO 17294-2: 2017 modif.	##(362)	mg/kg s.s. /		12.04.2021
vanadij - V	SIST EN ISO 17294-2: 2017 modif.	##32.5	mg/kg s.s. /		06.04.2021
volumen izluževalnega medija	SIST EN 12457-2: 2004	##1000	ml /		29.03.2021
žarilna izguba	SIST EN 15169: 2007	7.5	% s.s. 6		31.03.2021
živo srebro - Hg	ISO 16772:2004 brez točke 7.4.2, modif	0.52	mg/kg s.s. 12.5		08.04.2021
žveplo - S	ASTM D 4239 (metoda C):1997	##<0.01	% /		31.03.2021
suha snov	SIST EN 14346:2007, metoda A	##99.4	% /		25.03.2021

PARAMETER	METODA	REZULTAT	ENOTA	MER. NEG. (%)	DATUM PRESKUŠANJA
I104-387/21 - izlužki					
adsorbiljivi organski halogeni - AOX	SIST ISO 9562: 2005	< 10	ug Cl / l	12	01.04.2021
antimon - Sb	SIST EN ISO 17294-2: 2017	<0.2	ug/l	/	12.04.2021
arzen - As	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	06.04.2021
baker - Cu	SIST EN ISO 17294-2: 2017	1.9	ug/l	/	06.04.2021
barij - Ba	SIST EN ISO 17294-2: 2017	13.7	ug/l	/	06.04.2021
berilij - Be	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	06.04.2021
bor - B	SIST EN ISO 17294-2: 2017 modif.	#46.8	ug/L	/	06.04.2021
cink - Zn	SIST EN ISO 17294-2: 2017	5.7	ug/l	/	06.04.2021
fluorid	ISO 10304-1: 2007/Cor 1:2010	<1.0	mg/L	9.5	12.04.2021
kadmij - Cd	SIST EN ISO 17294-2: 2017	<0.5	ug/l	/	06.04.2021
klorid	ISO 10304-1: 2007/Cor 1:2010	<1.0	mg/L	12	12.04.2021
kobalt - Co	SIST EN ISO 17294-2: 2017	<0.2	ug/l	/	06.04.2021
kositer - Sn	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	12.04.2021
krom - Cr	SIST EN ISO 17294-2: 2017	<5.0	ug/L	/	06.04.2021
molibden - Mo	SIST EN ISO 17294-2: 2017	1.6	ug/l	/	06.04.2021
nikelj - Ni	SIST EN ISO 17294-2: 2017	<1.0	ug/l	/	06.04.2021
pH vrednost	ISO 10523: 2008	8.3	/	0.12	31.03.2021
raztopljeni organski ogljik - DOC	SIST ISO 8245: 2000	2.45	mg C/L	/	12.04.2021
selen - Se	SIST EN ISO 17294-2: 2017	<10.0	ug/l	/	06.04.2021
specifična električna prevodnost - SEP (T = 20,0 st. C)	SIST EN 27888: 1998	81.3	us/cm	/	31.03.2021
sulfat	ISO 10304-1: 2007/Cor 1:2010	1.08	mg/L	10	12.04.2021
svinec - Pb	SIST EN ISO 17294-2: 2017	0.9	ug/l	/	06.04.2021
T (pri pH)	ISO 10523: 2008	23.0	st.C	/	31.03.2021
T (pri SEP)	SIST EN 27888: 1998	20.4	st.C	/	31.03.2021
talij - Tl	SIST EN ISO 17294-2: 2017 modif.	#<1.0	ug/L	/	06.04.2021
telur - Te	SIST EN ISO 17294-2: 2017 modif.	#<10.0	ug/L	/	06.04.2021
vanadij - V	SIST EN ISO 17294-2: 2017	1.3	ug/l	/	06.04.2021
živo srebro - Hg	SIST EN ISO 12846:2012,brez poglavja 6	<0.05	ug/L	40.4	08.04.2021
amonijev dušik	SIST ISO 5664: 1996	< 1.0*#	mg N/L	7	31.03.2021
nitritni dušik	ISO 10304-1: 2007/Cor 1:2010	<0.30	mg-N/L	15	12.04.2021
nitratni dušik	ISO 10304-1: 2007/Cor 1:2010	0.47	mg-N/L	15	12.04.2021

- rezultati se nanašajo na neakreditirano dejavnost

Opombe:

Vzorec je negorljiv, zato analiza žvepla po standardu SIST EN 15408:2011 ni mogoča. Izlužki odpadkov/tal so analizirani skladno s SIST EN 16192:2012. Detajlni podatki o pripravi vzorcev ter izvedbi izluževanja so na voljo v laboratoriju.

Suha snov določena s sušenjem v laboratorijskem sušilniku. Podatek se nanaša na vsebnost v analitskem vzorcu.

Vzorčeno po standardu SIST EN 14899:2006. Podrobni podatki o vzorčenju za namen interpretacije rezultatov se nahajajo na poročilu o vzorčenju.

Vodja laboratorija:
Matej Suštaršič

Priprava vzorcev je bila izvedena po standardu SIST EN 15002:2006.

PCB-ji predstavljajo vsoto PCB 28, 52, 101, 138, 153 in 180.

Vsoto PAH-ov predstavljajo naslednje spojine: fluoranten, benzo(a)pirena, benzo(b)fluoranten, benzo(k)fluoranten, benzo(g,h,i)perilen in indeno(1,2,3-c,d)piren.

* - rezultati so pod LOD.

Merilna negotovost (MN) je izračunana iz prispevkov negotovosti, ki izvirajo iz preskusne metode in pogojev okolja, kot tudi iz kratkotrajnih prispevkov predmeta preskušanja ($k=2$). Ovrednotena je v skladu z dokumentom EA-4/16. Merilna negotovost je podana relativno (v %) glede na podan rezultat, razen za pH vrednost, za katero se merilna negotovost podaja absolutno.

Rezultati preskušanja se nanašajo izključno na vzorčene vzorce. Poročilo se brez pisnega pristanka preskusnega laboratorija na sme reproducirati, razen v celoti.



Analytical report AR-21-KT-008884-01



Testing laboratory: Eurofins Environment Testing Slovakia s.r.o. Robotnícka 820/36, 039 01 Turčianske Teplice IČO: 53 248 376 Place of work: Accredited testing laboratory Turčianske Teplice Robotnícka 820/36, 039 01 Turčianske Teplice tel: 043/490 1562 RegistrationEnviroSK@eurofins.sk, www.eurofins.sk	Customer: Eurofins ERICo Slovenija d.o.o. Koroška cesta 58 SI - 3320 Večanje SLOVENIA
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Date of Sample Receipt: 25.03.2021

Date of Testing: 25.03.2021 - 01.04.2021

Issue date: 01.04.2021

Information about Sampling:

Sampler: customer
Sample information: 104-2021-00009493
Sample description: O1-386/21
Form of storing: Store
Material: Granulirani odpadki

Physical and chemical tests

Parameter	Unit	Allowed Value	Measured Value	Uncertainty of Method measurement*	Testing method	E	SL	TT
Phenol index	mg/kg	-	<2	-	Spectrophotometry (UV/VIS)	-	TR	A
Cyanide, total	mg/kg	-	<0,1	-	Spectrophotometry (UV/VIS)	-	TR	A

Notes:

E - evaluation
S - satisfied
NS - not satisfied
(A) - accredited sampling
(SA) - accredited sampling executed under the subcontract
SPP - Standard operation procedure
ND - not detected by given method
CFU - Colony forming unit
NM - necessary quantity
m - the highest allowed value at the case of one sample
M, c - "M" highest allowed value for the number "c" at the case of 5 sample's evaluation
* - uncertainty determined by extension coefficient k=2 (with probability of 95%) does not include the uncertainty of sampling.
- uncertainty given in % reflects the uncertainty from the result of measurement.
SL - analysis laboratory: NZ-Nové Zámky, TR-Turčianske Teplice, RK-Ružomberok, TV-Trebišov
TT - type of test
A - accredited test executed at the own test laboratory
N - non accredited test executed at the own test laboratory
SA - accredited test executed under the subcontract
SN - unaccredited test executed under the subcontract
(TM) - testing outside the laboratory at the customer

Disclaimer:

Laboratory is a disclaimer when the information is supplied by the customer and can affect the validity of results.
If the sample has been provided by the customer, the results refer to the sample as it was received.
Gauges and measuring equipment used for testing were calibrated or attested in accordance with the valid metrological instructions.
The above mentioned test results refer to the tested sample only!
The result given in this Test Certificate and marked as non accredited test shall not be a subject of accreditation.
The result given in this Test Certificate and marked as sub- delivery is the result of a Subcontractors gauging made under the terms and conditions of a contract concluded with him.
It's not possible reproduce or incorporate the test certificate into promotional materials without laboratory written authorization!
SNAS is a Signatory to the Multilateral Agreement MRA ILAC.

Responsible for correctness:

Viera Valková
Head of Testing Laboratory Turčianske Teplice

Worked out by: Nina Hrnčiarová

No. of document: 202141133510571

**Test Certificate approved by**

Viera Valková
Head of Testing Laboratory Turčianske Teplice



Analytical report AR-21-KT-008885-01



Testing laboratory: Eurofins Environment Testing Slovakia s.r.o. Robotnicka 820/36, 039 01 Turčianske Teplice IČO: 53 248 376 Place of work: Accredited testing laboratory Turčianske Teplice Robotnicka 820/36, 039 01 Turčianske Teplice tel: 043/490 1562 RegistrationEnviroSK@eurofins.sk, www.eurofins.sk	Customer: Eurofins ERICo Slovenija d.o.o. Koroška cesta 58 SI - 3320 Večanje SLOVENIA
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Date of Sample Receipt: 25.03.2021 Date of Testing: 25.03.2021 - 01.04.2021

Issue date: 01.04.2021

Information about Sampling:

Sampler: customer
Sample information: 104-2021-00009494
Sample description: O2-386/21
Form of storing: Store
Material: Granuliran odpadok

Physical and chemical tests

Parameter	Unit	Allowed Value	Measured Value	Uncertainty of Method measurement*	Testing method	E	SL	TT
Phenol index	mg/kg	-	<2	-	Spectrophotometry (UV/VIS) LS-PP-CH-73	-	TR	A
Cyanide, total	mg/kg	-	<0,1	-	Spectrophotometry (UV/VIS) LS-PP-CH-76	-	TR	A

Notes:

E - evaluation
S - satisfied
NS - not satisfied
(A) - accredited sampling
(SA) - accredited sampling executed under the subcontract
ŠPP - Standard operation procedure
ND - not detected by given method
CFU - Colony forming unit
NM - necessary quantity
m - the highest allowed value at the case of one sample
M, c - "M" highest allowed value for the number "c" at the case of 5 sample's evaluation
* - uncertainty determined by extension coefficient k=2 (with probability of 95%) does not include the uncertainty of sampling.
- uncertainty given in % reflects the uncertainty from the result of measurement.
SL - analysis laboratory: NZ-Nové Zámky, TR-Turčianske Teplice, RK-Ružomberok, TV-Trebišov
TT - type of test
A - accredited test executed at the own test laboratory
N - non accredited test executed at the own test laboratory
SA - accredited test executed under the subcontract
SN - unaccredited test executed under the subcontract
(TM) - testing outside the laboratory at the customer

Disclaimer:

Laboratory is a disclaimer when the information is supplied by the customer and can affect the validity of results.
If the sample has been provided by the customer, the results refer to the sample as it was received.
Gauges and measuring equipment used for testing were calibrated or attested in accordance with the valid metrological instructions.
The above mentioned test results refer to the tested sample only!
The result given in this Test Certificate and marked as non accredited test shall not be a subject of accreditation.
The result given in this Test Certificate and marked as sub- delivery is the result of a Subcontractors gauging made under the terms and conditions of a contract concluded with him.
It's not possible reproduce or incorporate the test certificate into promotional materials without laboratory written authorization!
SNAS is a Signatory to the Multilateral Agreement MRA ILAC.

Responsible for correctness:

Viera Valková
Head of Testing Laboratory Turčianske TepliceWorked out by: Nina Hrnčiarová
No. of document: 202141133514663**Test Certificate approved by**Viera Valková
Head of Testing Laboratory Turčianske Teplice

Analytical report AR-21-KT-008886-01



Testing laboratory: Eurofins Environment Testing Slovakia s.r.o. Robotnícka 820/36, 039 01 Turčianske Teplice IČO: 53 248 376 Place of work: Accredited testing laboratory Turčianske Teplice Robotnícka 820/36, 039 01 Turčianske Teplice tel: 043/490 1562 RegistrationEnviroSK@eurofins.sk, www.eurofins.sk	Customer: Eurofins ERICo Slovenija d.o.o. Koroška cesta 58 SI - 3320 Večanje SLOVENIA
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Date of Sample Receipt: 25.03.2021

Date of Testing: 25.03.2021 - 01.04.2021

Issue date: 01.04.2021

Information about Sampling:

Sampler: customer
Sample information: 104-2021-00009495
Sample description: O3-386/21
Form of storing: Store
Material: Granulirani odpadki

Physical and chemical tests

Parameter	Unit	Allowed Value	Measured Value	Uncertainty of Method measurement*	Testing method	E	SL	TT
Phenol index	mg/kg	-	<2	-	Spectrophotometry (UV/VIS) LS-PP-CH-73	-	TR	A
Cyanide, total	mg/kg	-	<0,1	-	Spectrophotometry (UV/VIS) LS-PP-CH-76	-	TR	A

Notes:

E - evaluation
S - satisfied
NS - not satisfied
(A) - accredited sampling
(SA) - accredited sampling executed under the subcontract
ŠPP - Standard operation procedure
ND - not detected by given method
CFU - Colony forming unit
NM - necessary quantity
m - the highest allowed value at the case of one sample
M, c - "M" highest allowed value for the number "c" at the case of 5 sample's evaluation
* - uncertainty determined by extension coefficient k=2 (with probability of 95%) does not include the uncertainty of sampling.
- uncertainty given in % reflects the uncertainty from the result of measurement.
SL - analysis laboratory: NZ-Nové Zámky, TR-Turčianske Teplice, RK-Ružomberok, TV-Trebišov

TT - type of test
A - accredited test executed at the own test laboratory
N - non accredited test executed at the own test laboratory
SA - accredited test executed under the subcontract
SN - unaccredited test executed under the subcontract
(TM) - testing outside the laboratory at the customer

Disclaimer:

Laboratory is a disclaimer when the information is supplied by the customer and can affect the validity of results.
If the sample has been provided by the customer, the results refer to the sample as it was received.
Gauges and measuring equipment used for testing were calibrated or attested in accordance with the valid metrological instructions.
The above mentioned test results refer to the tested sample only!
The result given in this Test Certificate and marked as non accredited test shall not be a subject of accreditation.
The result given in this Test Certificate and marked as sub- delivery is the result of a Subcontractors gauging made under the terms and conditions of a contract concluded with him.
It's not possible reproduce or incorporate the test certificate into promotional materials without laboratory written authorization!
SNAS is a Signatory to the Multilateral Agreement MRA ILAC.

Responsible for correctness:

Viera Valková
Head of Testing Laboratory Turčianske Teplice

Worked out by: Nina Hrnčiarová
No. of document: 202141133518713



Test Certificate approved by

Viera Valková
Head of Testing Laboratory Turčianske Teplice



Analytical report

AR-21-KT-008887-01



Testing laboratory: Eurofins Environment Testing Slovakia s.r.o. Robotnícka 820/36, 039 01 Turčianske Teplice IČO: 53 248 376 Place of work: Accredited testing laboratory Turčianske Teplice Robotnícka 820/36, 039 01 Turčianske Teplice tel: 043/490 1562 RegistrationEnviroSK@eurofins.sk, www.eurofins.sk	Customer: Eurofins ERICo Slovenija d.o.o. Koroška cesta 58 SI - 3320 Večanje SLOVENIA
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Date of Sample Receipt: 25.03.2021

Date of Testing: 25.03.2021 - 01.04.2021

Issue date: 01.04.2021

Information about Sampling:

Sampler: customer
Sample information: 104-2021-00009496
Sample description: O4-386/21
Form of storing: Store
Material: Granulirani odpadki

Physical and chemical tests

Parameter	Unit	Allowed Value	Measured Value	Uncertainty of Method measurement*	Testing method	E	SL	TT
Phenol index	mg/kg	-	<2	-	Spectrophotometry (UV/VIS)	-	TR	A
Cyanide, total	mg/kg	-	<0,1	-	Spectrophotometry (UV/VIS)	-	TR	A

Notes:

E - evaluation
S - satisfied
NS - not satisfied
(A) - accredited sampling
(SA) - accredited sampling executed under the subcontract
SPP - Standard operation procedure
ND - not detected by given method
CFU - Colony forming unit
NM - necessary quantity
m - the highest allowed value at the case of one sample
M, c - "M" highest allowed value for the number "c" at the case of 5 sample's evaluation
* - uncertainty determined by extension coefficient k=2 (with probability of 95%) does not include the uncertainty of sampling.
- uncertainty given in % reflects the uncertainty from the result of measurement.
SL - analysis laboratory: NZ-Nové Zámky, TR-Turčianske Teplice, RK-Ružomberok, TV-Trebišov
TT - type of test
A - accredited test executed at the own test laboratory
N - non accredited test executed at the own test laboratory
SA - accredited test executed under the subcontract
SN - unaccredited test executed under the subcontract
(TM) - testing outside the laboratory at the customer

Disclaimer:

Laboratory is a disclaimer when the information is supplied by the customer and can affect the validity of results.
If the sample has been provided by the customer, the results refer to the sample as it was received.
Gauges and measuring equipment used for testing were calibrated or attested in accordance with the valid metrological instructions.
The above mentioned test results refer to the tested sample only!
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Responsible for correctness:

Viera Valková
Head of Testing Laboratory Turčianske Teplice

Worked out by: Nina Hrnčiarová

No. of document: 202141133523220

**Test Certificate approved by**Viera Valková
Head of Testing Laboratory Turčianske Teplice

Analytical report AR-21-KT-008888-01



Testing laboratory: Eurofins Environment Testing Slovakia s.r.o. Robotnícka 820/36, 039 01 Turčianske Teplice IČO: 53 248 376 Place of work: Accredited testing laboratory Turčianske Teplice Robotnícka 820/36, 039 01 Turčianske Teplice tel: 043/490 1562 RegistrationEnviroSK@eurofins.sk, www.eurofins.sk	Customer: Eurofins ERICo Slovenija d.o.o. Koroška cesta 58 SI - 3320 Večenje SLOVENIA
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Date of Sample Receipt: 25.03.2021

Date of Testing: 25.03.2021 - 01.04.2021

Issue date: 01.04.2021

Information about Sampling:

Sampler: customer
Sample information: 104-2021-00009497
Sample description: O1-387/21
Form of storing: Store
Material: Granuliran odpadok

Physical and chemical tests

Parameter	Unit	Allowed Value	Measured Value	Uncertainty of Method measurement*	Testing method	E	SL	TT
Phenol index	mg/kg	-	<2	-	Spectrophotometry (UV/VIS) LS-PP-CH-73	-	TR	A
Cyanide, total	mg/kg	-	<0,1	-	Spectrophotometry (UV/VIS) LS-PP-CH-76	-	TR	A

Notes:

E - evaluation
S - satisfied
NS - not satisfied
(A) - accredited sampling
(SA) - accredited sampling executed under the subcontract
SPP - Standard operation procedure
ND - not detected by given method
CFU - Colony forming unit
NM - necessary quantity
m - the highest allowed value at the case of one sample
M, c - "M" highest allowed value for the number "c" at the case of 5 sample's evaluation
* - uncertainty determined by extension coefficient k=2 (with probability of 95%) does not include the uncertainty of sampling.
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SL - analysis laboratory: NZ-Nové Zámky, TR-Turčianske Teplice, RK-Ružomberok, TV-Trebišov
TT - type of test
A - accredited test executed at the own test laboratory
N - non accredited test executed at the own test laboratory
SA - accredited test executed under the subcontract
SN - unaccredited test executed under the subcontract
(TM) - testing outside the laboratory at the customer

Disclaimer:

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Responsible for correctness:

Viera Valková
Head of Testing Laboratory Turčianske TepliceWorked out by: Nina Hrnčiarová
No. of document: 202141133527705**Test Certificate approved by**Viera Valková
Head of Testing Laboratory Turčianske Teplice

Analytical report AR-21-KT-008889-01



Testing laboratory: Eurofins Environment Testing Slovakia s.r.o. Robotnícka 820/36, 039 01 Turčianske Teplice IČO: 53 248 376 Place of work: Accredited testing laboratory Turčianske Teplice Robotnícka 820/36, 039 01 Turčianske Teplice tel: 043/490 1562 RegistrationEnviroSK@eurofins.sk, www.eurofins.sk	Customer: Eurofins ERICo Slovenija d.o.o. Koroška cesta 58 SI - 3320 Večanje SLOVENIA
--	--

Date of Sample Receipt: 25.03.2021 Date of Testing: 25.03.2021 - 01.04.2021

Issue date: 01.04.2021

Information about Sampling:

Sampler: customer
Sample information: 104-2021-00009498
Sample description: O2-387/21
Form of storing: Store
Material: Granuliran odpadok

Physical and chemical tests

Parameter	Unit	Allowed Value	Measured Value	Uncertainty of Method measurement*	Testing method	E	SL	TT
Phenol index	mg/kg	-	<2	-	Spectrophotometry (UV/VIS) LS-PP-CH-73	-	TR	A
Cyanide, total	mg/kg	-	<0,1	-	Spectrophotometry (UV/VIS) LS-PP-CH-76	-	TR	A

Notes:

E - evaluation
S - satisfied
NS - not satisfied
(A) - accredited sampling
(SA) - accredited sampling executed under the subcontract
SPP - Standard operation procedure
ND - not detected by given method
CFU - Colony forming unit
NM - necessary quantity
m - the highest allowed value at the case of one sample
M, c - "M" highest allowed value for the number "c" at the case of 5 sample's evaluation
* - uncertainty determined by extension coefficient k=2 (with probability of 95%) does not include the uncertainty of sampling.
- uncertainty given in % reflects the uncertainty from the result of measurement.
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TT - type of test
A - accredited test executed at the own test laboratory
N - non accredited test executed at the own test laboratory
SA - accredited test executed under the subcontract
SN - unaccredited test executed under the subcontract
(TM) - testing outside the laboratory at the customer

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Responsible for correctness:

Viera Valková
Head of Testing Laboratory Turčianske Teplice

Worked out by: Nina Hrnčiarová

No. of document: 202141133532614

**Test Certificate approved by**

Viera Valková
Head of Testing Laboratory Turčianske Teplice



Analytical report AR-21-KT-008890-01



Testing laboratory: Eurofins Environment Testing Slovakia s.r.o. Robotnícka 820/36, 039 01 Turčianske Teplice IČO: 53 248 376 Place of work: Accredited testing laboratory Turčianske Teplice Robotnícka 820/36, 039 01 Turčianske Teplice tel: 043/490 1562 RegistrationEnviroSK@eurofins.sk, www.eurofins.sk	Customer: Eurofins ERICo Slovenija d.o.o. Koroška cesta 58 SI - 3320 Večenje SLOVENIA
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Date of Sample Receipt: 25.03.2021 **Date of Testing:** 25.03.2021 - 01.04.2021

Issue date: 01.04.2021

Information about Sampling:

Sampler: customer
Sample information: 104-2021-00009499
Sample description: O3-387/21
Form of storing: Store
Material: Granulirán odpadok

Physical and chemical tests

Parameter	Unit	Allowed Value	Measured Value	Uncertainty of Method measurement*	Testing method	E	SL	TT
Phenol index	mg/kg	-	<2	-	Spectrophotometry (UV/VIS) LS-PP-CH-73	-	TR	A
Cyanide, total	mg/kg	-	<0,1	-	Spectrophotometry (UV/VIS) LS-PP-CH-76	-	TR	A

Notes:

E - evaluation
 S - satisfied
 NS - not satisfied
 (A) - accredited sampling
 (SA) - accredited sampling executed under the subcontract
 ŠPP - Standard operation procedure
 ND - not detected by given method
 CFU - Colony forming unit
 NM - necessary quantity
 m - the highest allowed value at the case of one sample
 M, c - "M" highest allowed value for the number "c" at the case of 5 sample's evaluation
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Responsible for correctness:

Viera Valková
Head of Testing Laboratory Turčianske Teplice

Worked out by: Nina Hrnčiarová

No. of document: 202141133536135

**Test Certificate approved by**

Viera Valková
Head of Testing Laboratory Turčianske Teplice



Analytical report AR-21-KT-008891-01



Testing laboratory: Eurofins Environment Testing Slovakia s.r.o. Robotnícka 820/36, 039 01 Turčianske Teplice IČO: 53 248 376 Place of work: Accredited testing laboratory Turčianske Teplice Robotnícka 820/36, 039 01 Turčianske Teplice tel: 043/490 1562 RegistrationEnviroSK@eurofins.sk, www.eurofins.sk	Customer: Eurofins ERICo Slovenija d.o.o. Koroška cesta 58 SI - 3320 Večanje SLOVENIA
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Date of Sample Receipt: 25.03.2021 Date of Testing: 25.03.2021 - 01.04.2021

Issue date: 01.04.2021

Information about Sampling:

Sampler: customer
Sample information: 104-2021-00009500
Sample description: O4-387/21
Form of storing: Store
Material: Granulirán odpadok

Physical and chemical tests

Parameter	Unit	Allowed Value	Measured Value	Uncertainty of Method measurement*	Testing method	E	SL	TT
Phenol index	mg/kg	-	<2	-	Spectrophotometry (UV/VIS) LS-PP-CH-73	-	TR	A
Cyanide, total	mg/kg	-	<0,1	-	Spectrophotometry (UV/VIS) LS-PP-CH-76	-	TR	A

Notes:

E - evaluation
S - satisfied
NS - not satisfied
(A) - accredited sampling
(SA) - accredited sampling executed under the subcontract
SPP - Standard operation procedure
ND - not detected by given method
CFU - Colony forming unit
NM - necessary quantity
m - the highest allowed value at the case of one sample
M, c - "M" highest allowed value for the number "c" at the case of 5 sample's evaluation
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Responsible for correctness:

Viera Valková
Head of Testing Laboratory Turčianske Teplice

Worked out by: Nina Hrnčiarová

No. of document: 202141133540297

**Test Certificate approved by**Viera Valková
Head of Testing Laboratory Turčianske Teplice

Analytical report AR-21-KT-010634-01



Testing laboratory: Eurofins Environment Testing Slovakia s.r.o. Robotnícka 820/36, 039 01 Turčianske Teplice IČO: 53 248 376 Place of work: Accredited testing laboratory Turčianske Teplice Robotnícka 820/36, 039 01 Turčianske Teplice tel: 043/490 1562 RegistrationEnviroSK@eurofins.sk, www.eurofins.sk	Customer: Eurofins ERICo Slovenija d.o.o. Koroška cesta 58 SI - 3320 Velenje SLOVENIA
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Date of Sample Receipt: 14.04.2021 Date of Testing: 14.04.2021 - 20.04.2021

Issue date: 20.04.2021

Information about Sampling:

Sampler: customer
Sample information: 104-2021-00011514
Sample description: 1101-386/21
Form of storing: Fridge 1°C - 5°C
Material: Izlužki

Physical and chemical tests

Parameter	Unit	Allowed Value	Measured Value	Uncertainty of Method measurement*	Testing method	E	SL	TT
Phenol index	mg/l	-	0,14	6%	Spectrophotometry (UV/VIS)	-	TR	A

Notes:

E - evaluation
S - satisfied
NS - not satisfied
(A) - accredited sampling
(SA) - accredited sampling executed under the subcontract
SPP - Standard operation procedure
ND - not detected by given method
CFU - Colony forming unit
NM - necessary quantity
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Responsible for correctness:

Viera Valková
Head of Testing Laboratory Turčianske Teplice

Worked out by: Nina Hrnčiarová
No. of document: 2021420151941398



Test Certificate approved by

Viera Valková
Head of Testing Laboratory Turčianske Teplice



Analytical report AR-21-KT-010635-01



Testing laboratory: Eurofins Environment Testing Slovakia s.r.o. Robotnícka 820/36, 039 01 Turčianske Teplice IČO: 53 248 376 Place of work: Accredited testing laboratory Turčianske Teplice Robotnícka 820/36, 039 01 Turčianske Teplice tel: 043/490 1562 RegistrationEnviroSK@eurofins.sk, www.eurofins.sk	Customer: Eurofins ERICo Slovenija d.o.o. Koroška cesta 58 SI - 3320 Velenje SLOVENIA
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Date of Sample Receipt: 14.04.2021 Date of Testing: 14.04.2021 - 20.04.2021

Issue date: 20.04.2021

Information about Sampling:

Sampler: customer

Sample information: 104-2021-00011515

Sample description: I102-386/21

Form of storing: Fridge 1°C - 5°C

Material: Izlužki

Physical and chemical tests

Parameter	Unit	Allowed Value	Measured Value	Uncertainty of Method measurement*	Testing method	E	SL	TT
Phenol index	mg/l	-	<0,1	-	Spectrophotometry (UV/VIS) STN ISO 6439	-	TR	A

Notes:

E - evaluation
S - satisfied
NS - not satisfied
(A) - accredited sampling
(SA) - accredited sampling executed under the subcontract
ŠPP - Standard operation procedure
ND - not detected by given method
CFU - Colony forming unit
NM - necessary quantity
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Responsible for correctness:

Viera Valková
Head of Testing Laboratory Turčianske Teplice

Worked out by: Nina Hrnčiarová

No. of document: 2021420151946294

**Test Certificate approved by**

Viera Valková
Head of Testing Laboratory Turčianske Teplice



Analytical report

AR-21-KT-010636-01



Testing laboratory: Eurofins Environment Testing Slovakia s.r.o. Robotnícka 820/36, 039 01 Turčianske Teplice IČO: 53 248 376 Place of work: Accredited testing laboratory Turčianske Teplice Robotnícka 820/36, 039 01 Turčianske Teplice tel: 043/490 1562 RegistrationEnviroSK@eurofins.sk, www.eurofins.sk	Customer: Eurofins ERICo Slovenija d.o.o. Koroška cesta 58 SI - 3320 Velenje SLOVENIA
--	--

Date of Sample Receipt: 14.04.2021

Date of Testing: 14.04.2021 - 20.04.2021

Issue date: 20.04.2021

Information about Sampling:

Sampler: customer
Sample information: 104-2021-00011516
Sample description: 1103-386/21
Form of storing: Fridge 1°C - 5°C
Material: Izlužki

Physical and chemical tests

Parameter	Unit	Allowed Value	Measured Value	Uncertainty of Method measurement*	Testing method	E	SL	TT
Phenol index	mg/l	-	<0,1	-	Spectrophotometry (UV/VIS)	-	TR	A

Notes:

E - evaluation
S - satisfied
NS - not satisfied
(A) - accredited sampling
(SA) - accredited sampling executed under the subcontract
SPP - Standard operation procedure
ND - not detected by given method
CFU - Colony forming unit
NM - necessary quantity
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Responsible for correctness:

Viera Valková
Head of Testing Laboratory Turčianske Teplice

Worked out by: Nina Hrnčiarová

No. of document: 2021420151950522

**Test Certificate approved by**

Viera Valková
Head of Testing Laboratory Turčianske Teplice



Analytical report AR-21-KT-010637-01



Testing laboratory: Eurofins Environment Testing Slovakia s.r.o. Robotnícka 820/36, 039 01 Turčianske Teplice IČO: 53 248 376 Place of work: Accredited testing laboratory Turčianske Teplice Robotnícka 820/36, 039 01 Turčianske Teplice tel: 043/490 1562 RegistrationEnviroSK@eurofins.sk, www.eurofins.sk	Customer: Eurofins ERICo Slovenija d.o.o. Koroška cesta 58 SI - 3320 Velenje SLOVENIA
--	--

Date of Sample Receipt: 14.04.2021 Date of Testing: 14.04.2021 - 20.04.2021

Issue date: 20.04.2021

Information about Sampling:

Sampler: customer
Sample information: 104-2021-00011517
Sample description: I104-386/21
Form of storing: Fridge 1°C - 5°C
Material: Izlužki

Physical and chemical tests

Parameter	Unit	Allowed Value	Measured Value	Uncertainty of Method measurement*	Testing method	E	SL	TT
Phenol index	mg/l	-	<0,1	-	Spectrophotometry (UV/VIS) STN ISO 6439	-	TR	A

Notes:

E - evaluation
S - satisfied
NS - not satisfied
(A) - accredited sampling
(SA) - accredited sampling executed under the subcontract
ŠPP - Standard operation procedure
ND - not detected by given method
CFU - Colony forming unit
NM - necessary quantity
m - the highest allowed value at the case of one sample
M, c - "M" highest allowed value for the number "c" at the case of 5 sample's evaluation
* - uncertainty determined by extension coefficient k=2 (with probability of 95%) does not include the uncertainty of sampling.
- uncertainty given in % reflects the uncertainty from the result of measurement.
SL - analysis laboratory: NZ-Nové Zámky, TR-Turčianske Teplice, RK-Ružomberok, TV-Trebišov

TT - type of test
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Responsible for correctness:

Viera Valková
Head of Testing Laboratory Turčianske Teplice

Worked out by: Nina Hrnčiarová

No. of document: 2021420151955570

**Test Certificate approved by**

Viera Valková
Head of Testing Laboratory Turčianske Teplice



Analytical report AR-21-KT-010304-01



Testing laboratory: Eurofins Environment Testing Slovakia s.r.o. Robotnícka 820/36, 039 01 Turčianske Teplice IČO: 53 248 376 Place of work: Accredited testing laboratory Turčianske Teplice Robotnícka 820/36, 039 01 Turčianske Teplice tel: 043/490 1562 RegistrationEnviroSK@eurofins.sk, www.eurofins.sk	Customer: Eurofins ERICo Slovenija d.o.o. Koroška cesta 58 SI - 3320 Velenje SLOVENIA
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Date of Sample Receipt: 08.04.2021 Date of Testing: 08.04.2021 - 16.04.2021

Issue date: 16.04.2021

Information about Sampling:

Sampler: customer
Sample information: 104-2021-00010762
Sample description: I101-387/21
Form of storing: Fridge 3°C - 8°C
Material: Izlužki

Physical and chemical tests

Parameter	Unit	Allowed Value	Measured Value	Uncertainty of Method measurement*	Testing method	E	SL	TT
Phenol index	mg/l	-	<0,1	-	Spectrophotometry (UV/VIS) STN ISO 6439	-	TR	A

Notes:

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S - satisfied
NS - not satisfied
(A) - accredited sampling
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SPP - Standard operation procedure
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TT - type of test
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Responsible for correctness:

Anna Rusnáková
Specialist

Worked out by: Nina Hrnčiarová

No. of document: 202141610403236



Test Certificate approved by

Anna Rusnáková
Specialist

Analytical report AR-21-KT-010305-01



Testing laboratory: Eurofins Environment Testing Slovakia s.r.o. Robotnícka 820/36, 039 01 Turčianske Teplice IČO: 53 248 376 Place of work: Accredited testing laboratory Turčianske Teplice Robotnícka 820/36, 039 01 Turčianske Teplice tel: 043/490 1562 RegistrationEnviroSK@eurofins.sk, www.eurofins.sk	Customer: Eurofins ERICo Slovenija d.o.o. Koroška cesta 58 SI - 3320 Velenje SLOVENIA
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Date of Sample Receipt: 08.04.2021

Date of Testing: 08.04.2021 - 16.04.2021

Issue date: 16.04.2021

Information about Sampling:

Sampler: customer
Sample information: 104-2021-00010763
Sample description: I102-387/21
Form of storing: Fridge 3°C - 8°C
Material: Izlužki

Physical and chemical tests

Parameter	Unit	Allowed Value	Measured Value	Uncertainty of Method measurement*	Testing method	E	SL	TT
Phenol index	mg/l	-	<0,1	-	Spectrophotometry (UV/VIS) STN ISO 6439	-	TR	A

Notes:

E - evaluation
S - satisfied
NS - not satisfied
(A) - accredited sampling
(SA) - accredited sampling executed under the subcontract
SPP - Standard operation procedure
ND - not detected by given method
CFU - Colony forming unit
NM - necessary quantity
m - the highest allowed value at the case of one sample
M, c - "M" highest allowed value for the number "c" at the case of 5 sample's evaluation
* - uncertainty determined by extension coefficient k=2 (with probability of 95%) does not include the uncertainty of sampling.
- uncertainty given in % reflects the uncertainty from the result of measurement.
SL - analysis laboratory: NZ-Nové Zámky, TR-Turčianske Teplice, RK-Ružomberok, TV-Trebišov
TT - type of test
A - accredited test executed at the own test laboratory
N - non accredited test executed at the own test laboratory
SA - accredited test executed under the subcontract
SN - unaccredited test executed under the subcontract
(TM) - testing outside the laboratory at the customer

Disclaimer:

Laboratory is a disclaimer when the information is supplied by the customer and can affect the validity of results.
If the sample has been provided by the customer, the results refer to the sample as it was received.
Gauges and measuring equipment used for testing were calibrated or attested in accordance with the valid metrological instructions.
The above mentioned test results refer to the tested sample only!
The result given in this Test Certificate and marked as non accredited test shall not be a subject of accreditation.
The result given in this Test Certificate and marked as sub- delivery is the result of a Subcontractors gauging made under the terms and conditions of a contract concluded with him.
It's not possible reproduce or incorporate the test certificate into promotional materials without laboratory written authorization!
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Responsible for correctness:

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Worked out by: Nina Hrnčiarová
No. of document: 2021416104037853



Test Certificate approved by

Anna Rusnáková
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Analytical report AR-21-KT-010306-01



Testing laboratory: Eurofins Environment Testing Slovakia s.r.o. Robotnícka 820/36, 039 01 Turčianske Teplice IČO: 53 248 376 Place of work: Accredited testing laboratory Turčianske Teplice Robotnícka 820/36, 039 01 Turčianske Teplice tel: 043/490 1562 RegistrationEnviroSK@eurofins.sk, www.eurofins.sk	Customer: Eurofins ERICo Slovenija d.o.o. Koroška cesta 58 SI - 3320 Velenje SLOVENIA
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Date of Sample Receipt: 08.04.2021 Date of Testing: 08.04.2021 - 16.04.2021

Issue date: 16.04.2021

Information about Sampling:

Sampler: customer
Sample Information: 104-2021-00010764
Sample description: I103-387/21
Form of storing: Fridge 3°C - 8°C
Material: Izlužki

Physical and chemical tests

Parameter	Unit	Allowed Value	Measured Value	Uncertainty of Method measurement*	Testing method	E	SL	TT
Phenol index	mg/l	-	<0,1	-	Spectrophotometry (UV/VIS) STN ISO 6439	-	TR	A

Notes:

E - evaluation
S - satisfied
NS - not satisfied
(A) - accredited sampling
(SA) - accredited sampling executed under the subcontract
SPP - Standard operation procedure
ND - not detected by given method
CFU - Colony forming unit
NM - necessary quantity
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M, c - "M" highest allowed value for the number "c" at the case of 5 sample's evaluation
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- uncertainty given in % reflects the uncertainty from the result of measurement.
SL - analysis laboratory: NZ-Nové Zámky, TR-Turčianske Teplice, RK-Ružomberok, TV-Trebišov
TT - type of test
A - accredited test executed at the own test laboratory
N - non accredited test executed at the own test laboratory
SA - accredited test executed under the subcontract
SN - unaccredited test executed under the subcontract
(TM) - testing outside the laboratory at the customer

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Responsible for correctness:

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Worked out by: Nina Hrnčiarová

No. of document: 2021416104042343

**Test Certificate approved by**Anna Rusnáková
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Analytical report AR-21-KT-010307-01



Testing laboratory: Eurofins Environment Testing Slovakia s.r.o. Robotnícka 820/36, 039 01 Turčianske Teplice IČO: 53 248 376 Place of work: Accredited testing laboratory Turčianske Teplice Robotnícka 820/36, 039 01 Turčianske Teplice tel: 043/490 1562 RegistrationEnviroSK@eurofins.sk, www.eurofins.sk	Customer: Eurofins ERICo Slovenija d.o.o. Koroška cesta 58 SI - 3320 Velenje SLOVENIA
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Date of Sample Receipt: 08.04.2021

Date of Testing: 08.04.2021 - 16.04.2021

Issue date: 16.04.2021

Information about Sampling:

Sampler: customer
Sample information: 104-2021-00010765
Sample description: 1104-387/21
Form of storing: Fridge 3°C - 8°C
Material: Izlužki

Physical and chemical tests

Parameter	Unit	Allowed Value	Measured Value	Uncertainty of Method measurement*	Testing method	E	SL	TT
Phenol index	mg/l	-	<0,1	-	Spectrophotometry (UV/VIS) STN ISO 6439	-	TR	A

Notes:

E - evaluation
S - satisfied
NS - not satisfied
(A) - accredited sampling
(SA) - accredited sampling executed under the subcontract
ŠPP - Standard operation procedure
ND - not detected by given method
CFU - Colony forming unit
NM - necessary quantity
m - the highest allowed value at the case of one sample
M, c - "M" highest allowed value for the number "c" at the case of 5 sample's evaluation
* - uncertainty determined by extension coefficient k=2 (with probability of 95%) does not include the uncertainty of sampling.
- uncertainty given in % reflects the uncertainty from the result of measurement.
SL - analysis laboratory: NZ-Nové Zámky, TR-Turčianske Teplice, RK-Ružomberok, TV-Trebišov
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Responsible for correctness:

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Worked out by: Nina Hrnčiarová

No. of document: 2021416104047851



Test Certificate approved by

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