

Rimini, 10/14/2022

CERTIFICATE OF ANALYSIS n° 2215206-002 del 10/14/2022

Lab. sample lot id.:	2215206	Client: Newster System S.r.l. Via Pascoli, 26/28 47853 CORIANO - ITALIA (RN)
Sample receipt date:	09/28/2022	
Sampling carried out by:	Client	
Sampling date:	09/27/2022	
Lab. sample id:	2215206-002	
Client sample id:	Solid waste 1.2_SW2_2022_09_27	
Sampling site:	Sterilization system NW15 SN. 534	
Distributor:	Accredited Private Hospital "Sol et Salus" - via San Salvador, 108 - Rimini (RN)	
Matrix:	Steritech Waste Company S.r.l.	
Analysis start:	09/28/2022	Analysis end: 10/02/2022

Parameters	U.M.	Results	M.U.	L.o.Q.	Test Methods
CATEGORY PARAMETERS 0					
[1] Enumeration of Escherichia coli start/end date: 09-28-2022/09-29-2022	CFU/g	<10		10	ISO 16649-2:2001
[1] Enumeration Staphylococcus aureus start/end date: 09-28-2022/09-30-2022	CFU/g	<10		10	UNI EN ISO 6888-1:2021
[1] Enumeration of Pseudomonas aeruginosa start/end date: 09-22-2022/09-24-2022	CFU/g	<10		10	ISO 13720:2010
[1] Geobacillus Stearothermophilus start/end date: 09-28-2022/09-30-2022	CFU/g	<10		10	Internal method
[1] Enumeration of Sulfite-reducing clostridia start/end date: 09-28-2022/09-29-2022	CFU/g	<10		10	UNI EN ISO 7937:2005
[1] Detection of Salmonella spp. start/end date: 09-28-2022/10-02-2022	in 25 g	absent		0	UNI EN ISO 6579-1:2020
[1] Enumeration of Legionella spp. start/end date: 009-28-2022/10-08-2022	CFU/g	<10		10	ISO 11731:2017

U.M. = Unit of Measurement

M.U. = Measurement Uncertainty

L.o.Q. = Limit of Quantification

C.F.U. = Colony Forming Unit

[1] Site A: Via al Torrente n° 22 - 47923 Rimini (RN)

[2] Site B: Via al Torrente n° 26 - 47923 Rimini (RN)

CATEGORY PARAMETERS 0 = tests carried out at the laboratory.

CATEGORY PARAMETERS II= tests carried out in a mobile environment of a test laboratory specially equipped to perform certain tests.

CATEGORY PARAMETERS III [field parameters] = tests carried out by staff of the Laboratory on sites outside the Testing Laboratory.

follows CERTIFICATE OF ANALYSIS n° 2215206-002 del 10/14/2022

The expressions "Enumeration of" and "Detection of" identify quantitative and qualitative tests, respectively, and they do not have to be considered if the Limit of law specifies only the name of the microorganism detected.

If not otherwise specified, measurement uncertainty is expanded and calculated considering all contributions provided for by ISO 19036, with a coverage factor $k=2$ with a probability of roughly 95%. The Measurement Uncertainty of the laboratory tests include the sampling uncertainty. The Measurement Uncertainty is expressed only for results not equal to zero.

The Measurement Uncertainty is expressed only if the analysis results are greater than the LoQ, by considering that:

- CFU/g values included between 10 and 30 mean that "some microorganisms are present, but they are less than 40 CFU/g", since they are below the LoQ of 4 colonies (equivalent to 40 CFU/g);
- CFU/g values included between 40 and 90 CFU/g are "an estimated number of microorganisms", since they are below the LoQ of 10 colonies (equivalent to 100 CFU/g).

Determination of residue/traces: not applicable to microbiology.

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Gruppo CSA S.p.A. is not responsible for sampling: analysis results are referred exclusively to the sample as it was delivered to the laboratory. The laboratory disclaims any liability about the information supplied by the customer (sample description, sampling date).

In order to calculate the analytical Holding Time accurately, the analysis start date corresponds to the sampling date, while the start/end date is referred to each parameter tested.

Any further information about test methods not included in this certificate of analysis can be supplied by the laboratory subject to a formal request.

DECLARATION ABOUT LEGIONELLA

In accordance with Annex J of the International Standard ISO 11731 (Figure J1-Decision Matrix), the laboratory followed the procedure Matrix A; Procedure 8, 9, 10; Culture medium BCYE+MWY (or GVPC or A+B) Agar.

Analytical results are referred only to the samples tested.
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Laboratory Production Unit

The Director

(Dr. Ivan Fagiolino)



Rimini, 10/14/2022

CERTIFICATE OF ANALYSIS n° 2215206-003 del 10/14/2022

Lab. sample lot id.:	2215206	Client: Newster System S.r.l. Via Pascoli, 26/28 47853 CORIANO - ITALIA (RN)
Sample receipt date:	09/28/2022	
Sampling carried out by:	Client	
Sampling date:	09/27/2022	
Lab. sample id:	2215206-003	
Client sample id:	Solid waste 1.1_SW5_2022_09_27	
Sampling site:	Sterilization system NW15 SN. 534	
	Accredited Private Hospital "Sol et Salus" - via San Salvador, 108 - Rimini (RN)	
Distributor:	Steriltech Waste Company S.r.l.	
Analysis start:	09/28/2022	Analysis end: 10/12/2022

Parameters	U.M.	Results	M.U.	L.o.Q.	Test Methods
CATEGORY PARAMETERS 0					
[1] Plastic materials, glass, metal (fraction > 2mm) start/end date: 09-28-2022/10-12-2022	% (dmb)	< 0,1		0,1	UNI 10780:1998 App. A
[1] Inert lithoid materials (fraction >= 5mm) start/end date: 09-28-2022/10-12-2022	% (dmb)	< 0,1		0,1	UNI 10780:1998 App. A
[1] Plastics start/end date: 09-28-2022/10-12-2022	%	86,1	± 6,0	0,1	UNI 10780:1998 App. A
[1] Paper start/end date: 09-28-2022/10-12-2022	%	13,90	± 0,97	0,1	UNI 10780:1998 App. A

U.M. = Unit of Measurement

M.U. = Measurement Uncertainty

L.o.Q. = Limit of Quantification

dmb = dry matter basis

[1] Site A: Via al Torrente n° 22 - 47923 Rimini (RN)

[2] Site B: Via al Torrente n° 26 - 47923 Rimini (RN)

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CATEGORY PARAMETERS II = tests carried out in a mobile environment of a test laboratory specially equipped to perform certain tests.

CATEGORY PARAMETERS III [field parameters] = tests carried out by staff of the Laboratory on sites outside the Testing Laboratory.

follows CERTIFICATE OF ANALYSIS n° 2215206-003 del 10/14/2022

If not otherwise specified, measurement uncertainty is expanded and calculated with a coverage factor $k=2$ with a probability of roughly 95%.

The Measurement Uncertainty of the laboratory tests include the sampling uncertainty.

The Measurement Uncertainty is expressed only for results greater than the Limit of Quantification.

Determination of residues/traces: the analytical results not complying with the recovery statistical test performed for the method validation, are increased with the recovery values. The recovery values are at client's disposal and they are reported in the certificate of analysis, if used for analytical result calculation. Document digitally signed pursuant to D.Lgs n° 82 of 07 March 2005 and s.m.i.

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The laboratory disclaims any liability about the information supplied by the customer (sample description, sampling date).

Any further information about test methods not included in this certificate of analysis can be supplied by the laboratory subject to a formal request.

Analytical results are referred only to the samples tested.

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Laboratory Production Unit

The Director

(Dr. Ivan Fagiolino)



Rimini, 10/14/2022

CERTIFICATE OF ANALYSIS n° 2215206-001 del 10/14/2022

Lab. sample lot id.:	2215206	Client: Newster System S.r.l. Via Pascoli, 26/28 47853 CORIANO - ITALIA (RN)
Sample receipt date:	09/28/2022	
Sampling carried out by:	Client	
Sampling date:	09/27/2022	
Lab. sample id:	2215206-001	
Client sample id:	Solid waste 1.1_SW1_2022_09_27	
Sampling site:	EER code 20 03 01 - Mixed municipal waste Sterilization system NW15 SN. 534 Accredited Private Hospital "Sol et Salus" - via San Salvador, 108 - Rimini (RN)	
Distributor:	Steriltech Waste Company S.r.l.	
Matrix:	Flocs derived from medical waste sterilization NW15 SN. 534	
Analysis start:	09/28/2022	

Parameters	U.M.	Results	M.U.	L.o.Q.	Law limits	Test Methods	Accred. Param.
CATEGORY PARAMETERS 0							-
PHYSICAL PARAMETERS							D.Lgs. 121/2020 All. 4 Tab 5-bis
[1] Residue at 105 °C start/end date: 09-28-2022/10-03-2022	%	78,0	± 5,5	1	>= 25	UNI EN 14346-A:2007	
[1] Ashes at 600 °C start/end date: 09-28-2022/10-03-2022	%	3,40	± 0,24	0,1		CNR IRSA 2 Q 64 Vol 2 1984 Notiziario IRSA 2 2008	
[1] pH start/end date: 09-28-2022/09-28-2022	pH unit	7,76	± 0,39			EPA 9045D 2004	
FLAMMABILITY							EC Reg. 1357/2014
[1] Flash point (closed vessel) start/end date: 09-28-2022/10-12-2022	°C	> 200		20	<= 60	UNI EN ISO 3679:2015	*
COMBUSTION PARAMETERS							-
[1] Bromine start/end date: 09-28-2022/10-12-2022	mg/kg	< 50		50		EPA 5050 1994 + EPA 9056A 2007	
[1] Chlorine start/end date: 09-28-2022/10-12-2022	mg/kg	38600	± 5800	50		EPA 5050 1994 + EPA 9056A 2007	
[1] Fluorine start/end date: 09-28-2022/10-12-2022	mg/kg	< 50		50		EPA 5050 1994 + EPA 9056A 2007	
[1] Iodine start/end date: 09-28-2022/10-12-2022	mg/kg	< 50		50		EPA 5050 1994 + EPA 9056A 2007	*
[1] Sulphur start/end date: 09-28-2022/10-12-2022	mg/kg	307	± 46	50		EPA 5050 1994 + EPA 9056A 2007	

Pag. 1 di 6

follows CERTIFICATE OF ANALYSIS n° 2215206-001 del 10/14/2022

Parameters	U.M.	Results	M.U.	L.o.Q.	Law limits	Test Methods	Accred. Param.
HEATING VALUE							
[!] Lower heating value start/end date: 09-28-2022/10-12-2022	KJ/Kg	22250	± 780	700	-	UNI CEN/TS 16023:2014	
HEAVY METALS							
					EC Reg. 1357/2014		
[!] Antimony (Sb) start/end date: 09-28-2022/10-12-2022	mg/Kg	17,0	± 6,2	1	25000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Arsenic (As) start/end date: 09-28-2022/10-12-2022	mg/Kg	< 1		1	1000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Cadmium (Cd) start/end date: 09-28-2022/10-12-2022	mg/Kg	< 1		1	100	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Cobalt (Co) start/end date: 08-10-2022/08-29-2022	mg/Kg	< 1		1	100	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Chromium (Cr) start/end date: 09-28-2022/10-12-2022	mg/Kg	6,0	± 2,2	1		UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Hexavalent chromium (Cr VI) start/end date: 09-28-2022/10-12-2022	mg/Kg	< 5		5	1000	EPA 3060A 1996 + EPA 7199 1996	
[!] Iron (Fe) start/end date: 09-28-2022/10-12-2022	mg/Kg	440	± 170	2,5	200000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Manganese (Mn) start/end date: 09-28-2022/10-12-2022	mg/Kg	3,0	± 1,1	1	2500	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Mercury (Hg) start/end date: 09-28-2022/10-12-2022	mg/Kg	< 1		1	1000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	*
[!] Nickel (Ni) start/end date: 09-28-2022/10-12-2022	mg/Kg	4,0	± 1,5	1	1000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Lead (Pb) start/end date: 09-28-2022/10-12-2022	mg/Kg	<1		1	300-3000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Copper (Cu) start/end date: 09-28-2022/10-12-2022	mg/Kg	272	± 78	1	2500	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Tin (Sn) start/end date: 09-28-2022/10-12-2022	mg/Kg	6,0	± 2,2	1	50000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Thallium (Ta) start/end date: 09-28-2022/10-12-2022	mg/Kg	< 1		1	1000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Tellurium (Te) start/end date: 09-28-2022/10-12-2022	mg/Kg	< 1		1		UNI EN 13657:2004 + UNI EN ISO 11885:2009	*
[!] Vanadium (V) start/end date: 09-28-2022/10-12-2022	mg/Kg	< 1		1	10000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Zinc (Zn) start/end date: 09-28-2022/10-12-2022	mg/Kg	119	± 32	1	2500	UNI EN 13657:2004 + UNI EN ISO 11885:2009	

follows CERTIFICATE OF ANALYSIS n° 2215206-001 del 10/14/2022

Parameters	U.M.	Results	M.U.	L.o.Q.	Law limits	Test Methods	Accred. Param.
ORGANIC SUBSTANCES					EC Reg. 1357/2014	-	
[!] Chlorinated organic solvents start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5		EPA 5021A 2014 + EPA 8260D 2018	
[!] Trichloroethylene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 5021A 2014 + EPA 8260D 2018	
[!] Tetrachloroethylene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5	10000	EPA 5021A 2014 + EPA 8260D 2018	
Polycyclic Aromatic Hydrocarbons [PAHs]					EC Reg. 1357/2014	-	
[!] Naphtalene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5	2500	EPA 3550C 2007 + EPA 8270E 2018	
[!] Acenaphthylene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Acenaphthene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Fluorene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Phenanthrene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Anthracene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Fluoranthene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Pyrene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Benzo(a)anthracene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5	25	EPA 3550C 2007 + EPA 8270E 2018	
[!] Chrysene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 3550C 2007 + EPA 8270E 2018	
[!] Benzo(b)fluoranthene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 3550C 2007 + EPA 8270E 2018	
[!] Benzo(k)fluoranthene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 3550C 2007 + EPA 8270E 2018	
[!] Benzo(a)pyrene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5	100	EPA 3550C 2007 + EPA 8270E 2018	
[!] Indeno(1,2,3-cd)pyrene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Dibenzo(a,h)anthracene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5	25	EPA 3550C 2007 + EPA 8270E 2018	
[!] Benzo(ghi)perylene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	

follows CERTIFICATE OF ANALYSIS n° 2215206-001 del 10/14/2022

Parameters	U.M.	Results	M.U.	L.o.Q.	Law limits	Test Methods	Accred. Param.
[¹] Dibenzo(a,e)pyrene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[¹] Dibenzo(a,h)pyrene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[¹] Dibenzo(a,i)pyrene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[¹] Dibenzo(a,l)pyrene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[¹] Benzo(j)fluoranthene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 3550C 2007 + EPA 8270E 2018	*
[¹] Benzo(e)pyrene start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 3550C 2007 + EPA 8270E 2018	*
[¹] Total Polycyclic Aromatic Hydrocarbons start/end date: 09-28-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
OTHER SUBSTANCES							
[¹] Polychlorobiphenyls (PCB) start/end date: 09-28-2022/10-13-2022	mg/Kg	< 1		1	10	EPA 3550C 2007 + EPA 8270D 2014	*

U.M. = Unit of Measurement

M.U. = Measurement Uncertainty

L.o.Q. = Limit of Quantification

[¹] Site A: Via al Torrente n° 22 - 47923 Rimini (RN)

[²] Site B: Via al Torrente n° 26 - 47923 Rimini (RN)

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The preparation of the test portions was carried out in accordance with UNI EN 15002. The subsequent homogenisation phase was carried out in accordance with the sequence of operations on p. 11 of that provision.

If not otherwise specified, measurement uncertainty is expanded and calculated with a coverage factor k=2 with a probability of roughly 95%.

The Measurement Uncertainty of the laboratory tests does not include the sampling uncertainty. The Measurement Uncertainty is expressed only for results greater than the Limit of Quantification

All tests are ACCREDIA accredited (Accred. Param. = Accredited Parameters) except for those marked with an asterisk (*).

Determination of residues/traces: the analytical results not complying with the recovery statistical test performed for the method validation, are increased with the recovery values. The recovery values are at client's disposal and they are reported in the certificate of analysis, if used for analytical result calculation.

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Additional information about certificate of analysis with method UNI CEN/TS 16023:2014:

- Hydrogen 7,57 % (dmb)

follows CERTIFICATE OF ANALYSIS n° 2215206-001 del 10/14/2022

The following PCBs congeners were determined:

Congeners that may have health-hygiene significant implications:

#28, #52, #95, #99, #101, #110, #128, #138, #146, #149, #151, #153, #170, #177, #180, #183, #187.

Congeners designated as "dioxin like" by WHO:

#77, #81, #105, #114, #118, #123, #126, #156, #157, #167, #169, #189.

Any further information about test methods not included in this certificate of analysis can be supplied by the laboratory subject to a formal request.

ACTIVITY NOT SUBJECT TO ACCREDITATION: CLASSIFICATION

The classification below is referred exclusively to the parameters analyzed and certified chosen according to the type of waste and the information contained in the descriptive sheet of the waste supplied by the manufacturer about both the raw materials used and the production cycle; it is based on the comparison, without considering the Measurement Uncertainty, between the analytical result and the reference values contained in the following Regulations. It is referred to the following Regulations in force

COMMISSION REGULATION (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives.

DECREE No. 47 of 9 August 2021 by which the Ministry of Ecological Transition approved the guidelines on waste classification set out in Resolution No. 105 of the SNPA Council of 18 May 2021.

REGULATION (EU) No 1021/2019 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on persistent organic pollutants.

COMMISSION DECISION of 18 December 2014 amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council.

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC

COMMISSION REGULATION (EU) 2018/1480 of 4 October 2018 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures and correcting Commission Regulation (EU) 2017/776 (Text with EEA relevance)

COMMISSION REGULATION (EU) 2016/1179 of 19 July 2016 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

Note of the COMMISSION REGULATION (EU) 2016/1179 of 19 July 2016: with regard to the substance lead, RAC proposes in its scientific opinion of 5 December 2013 to classify it as toxic for reproduction category 1A. However, in view of the lack of certainty regarding the bioavailability of lead in the massive form, a distinction needs to be made between the massive form (particle size more than or equal to 1 mm) and the powder form (particle size of less than 1 mm). It is therefore appropriate to introduce a specific concentration limit (SCL) of $\geq 0,03$ % for the powder form and a generic concentration limit (GCL) of $\geq 0,3$ % for the massive form.

COUNCIL REGULATION (EU) 2017/997 of 8 June 2017 amending Annex III to Directive 2008/98/EC of the European Parliament and of the Council as regards the hazardous property HP 14 'Ecotoxic'

follows CERTIFICATE OF ANALYSIS n° 2215206-001 del 10/14/2022

COMMISSION REGULATION (EU) 2017/776 of 4 May 2017 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

REGULATION (EU) 2019/1021 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on persistent organic pollutants (recast) (Text with EEA relevance)

COMMISSION REGULATION (EU) 2019/636 of 23 April 2019 amending Annexes IV and V to Regulation (EC) No 850/2004 of the European Parliament and of the Council on persistent organic pollutants [31/10/2019]

COMMISSION REGULATION (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives (Text with EEA relevance)

With reference to the Hazard Statement Codes from HP3 to HP8 and HP10, HP11, HP13 and HP14, the sample analyzed is classified as:

NON-HAZARDOUS URBAN WASTE

as it doesn't have the properties set by COMMISSION REGULATION (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives (Text with EEA relevance).

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Laboratory Production Unit

The Director

(Dr. Ivan Fagiolino)



Rimini, 10/14/2022

CERTIFICATE OF ANALYSIS n° 2215206-004 del 10/14/2022

Lab. sample lot id.:	2215206	Client: Newster System S.r.l. Via Pascoli, 26/28 47853 CORIANO - ITALIA (RN)
Sample receipt date:	09/28/2022	
Sampling carried out by:	Client	
Sampling date:	09/27/2022	
Lab. sample id:	2215206-004	
Client sample id:	Solid waste 1.1_SW9_2022_09_27	
Sampling site:	EER code 20 03 01 - Mixed municipal waste Sterilization system NW15 SN. 534 Accredited Private Hospital "Sol et Salus" - via San Salvador, 108 - Rimini (RN)	
Distributor:	Steriltech Waste Company S.r.l.	
Matrix:	Flocs derived from medical waste sterilization NW15 SN. 534	
Analysis start:	09/28/2022	Analysis end: 10/13/2022

Parameters	U.M.	Results	M.U.	L.o.Q.	Law limits	Test Methods	Accred. Param.
CATEGORY PARAMETERS 0							-
PHYSICAL PARAMETERS					D.Lgs. 121/2020 All. 4 Tab 5-bis	-	
[1] Residue at 105 °C start/end date: 28-09-2022/10-03-2022	%	78,0	± 5,5	1	>= 25	UNI EN 14346-A:2007	
[1] Ashes at 600 °C start/end date: 28-09-2022/10-03-2022	%	3,40	± 0,24	0,1		CNR IRSA 2 Q 64 Vol 2 1984 Notiziario IRSA 2 2008	
[1] pH start/end date: 28-09-2022/10-03-2022	pH unit	7,76	± 0,39			EPA 9045D 2004	
FLAMMABILITY					EC Reg. 1357/2014	-	
[1] Flash point (closed vessel) start/end date: 08-10-2022/08-17-2022	°C	> 200		20	<= 60	UNI EN ISO 3679:2015	*
ANIONS							-
[1] Chlorides (chloride ion) start/end date: 28-09-2022/10-12-2022	mg/Kg	2790	± 420	1		EPA 9056A 2007	
[1] Sulphates (sulphate ion) start/end date: 28-09-2022/10-12-2022	mg/Kg	121	± 18	1		EPA 9056A 2007	
[1] Nitrates (nitrate ion) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1		EPA 9056A 2007	
[1] Total cyanides (cyanide ion) start/end date: 28-09-2022/10-12-2022	mg/Kg	<0,2		0,2		EPA 9013A 2014 + EPA 9010C 2004 + EPA 9014 2014	

follows CERTIFICATE OF ANALYSIS n° 2215206-004 del 10/14/2022

Parameters	U.M.	Results	M.U.	L.o.Q.	Law limits	Test Methods	Accred. Param.
COMBUSTION PARAMETERS							
[1] Bromine start/end date: 28-09-2022/10-12-2022	mg/kg	< 50		50		EPA 5050 1994 + EPA 9056A 2007	
[1] Chlorine start/end date: 28-09-2022/10-12-2022	mg/kg	38600	± 5800	50		EPA 5050 1994 + EPA 9056A 2007	
[1] Fluorine start/end date: 28-09-2022/10-12-2022	mg/kg	< 50		50		EPA 5050 1994 + EPA 9056A 2007	
[1] Iodine start/end date: 28-09-2022/10-12-2022	mg/kg	< 50		50		EPA 5050 1994 + EPA 9056A 2007	*
[1] Sulphur start/end date: 28-09-2022/10-12-2022	mg/kg	307	± 46	10		EPA 5050 1994 + EPA 9056A 2007	
HEATING VALUE							
[1] Lower heating value start/end date: 28-09-2022/10-12-2022	KJ/Kg	22250	± 780	700		UNI CEN/TS 16023:2014	
HEAVY METALS							
					EC Reg. 1357/2014		
[1] Antimony (Sb) start/end date: 28-09-2022/10-12-2022	mg/Kg	17,0	± 6,2	1	25000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[1] Arsenic (As) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1	1000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[1] Barium (Ba) start/end date: 28-09-2022/10-12-2022	mg/Kg	54	±12	2,5	10000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[1] Boron (B) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 2,5		2,5	3000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[1] Cadmium (Cd) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1	100	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[1] Cobalt (Co) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1	100	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[1] Chromium (Cr) start/end date: 28-09-2022/10-12-2022	mg/Kg	6,0	± 2,2	1		UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[1] Hexavalent chromium (Cr VI) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 5		5	1000	EPA 3060A 1996 + EPA 7199 1996	
[1] Iron (Fe) start/end date: 28-09-2022/10-12-2022	mg/Kg	440	± 170	2,5	200000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[1] Manganese (Mn) start/end date: 28-09-2022/10-12-2022	mg/Kg	3,0	± 1,1	1	2500	UNI EN 13657:2004 + UNI EN ISO 11885:2009	

follows CERTIFICATE OF ANALYSIS n° 2215206-004 del 10/14/2022

Parameters	U.M.	Results	M.U.	L.o.Q.	Law limits	Test Methods	Accred. Param.
[!] Mercury (Hg) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1	1000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	*
[!] Molibdenum (Mo) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1	10000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Nickel (Ni) start/end date: 28-09-2022/10-12-2022	mg/Kg	4,0	± 1,5	1	1000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Lead (Pb) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1	300-3000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Copper (Cu) start/end date: 28-09-2022/10-12-2022	mg/Kg	272	± 78	1	2500	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Selenium (Se) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1	2500	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Tin (Sn) start/end date: 28-09-2022/10-12-2022	mg/Kg	6,0	± 2,2	1	50000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Thallium (Ta) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1	1000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Tellurium (Te) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1		UNI EN 13657:2004 + UNI EN ISO 11885:2009	*
[!] Vanadium (V) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1	10000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[!] Zinc (Zn) start/end date: 28-09-2022/10-12-2022	mg/Kg	119	± 32	1	2500	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
ORGANIC SUBSTANCES					EC Reg. 1357/2014	-	
[!] Aromatic organic solvents start/end date: 28-09-2022/10-13-2022	mg/Kg	7,0	±1,6	5		EPA 5021A 2014 + EPA 8260D 2018	
[!] Benzene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 5021A 2014 + EPA 8260D 2018	
[!] Ethylbenzene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 5021A 2014 + EPA 8260D 2018	
[!] Toluene start/end date: 28-09-2022/10-13-2022	mg/Kg	7,0	±1,1	5		EPA 5021A 2014 + EPA 8260D 2018	
[!] Xylenes start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 5021A 2014 + EPA 8260D 2018	
[!] Styrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 5021A 2014 + EPA 8260D 2018	

follows CERTIFICATE OF ANALYSIS n° 2215206-004 del 10/14/2022

Parameters	U.M.	Results	M.U.	L.o.Q.	Law limits	Test Methods	Accred. Param.
[1] Chlorinated organic solvents start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 5021A 2014 + EPA 8260D 2018	
[1] Dichloromethane (Methylene chloride) start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	10000	EPA 5021A 2014 + EPA 8260D 2018	
[1] Trichloroethylene start/end date: 08-10-2022/08-23-2022	mg/Kg	< 5		5	1000	EPA 5021A 2014 + EPA 8260D 2018	
[1] Tetrachloroethylene (Perchloroethylene) start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	10000	EPA 5021A 2014 + EPA 8260D 2018	
[1] Carbon tetrachloride start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	10000	EPA 5021A 2014 + EPA 8260D 2018	
[1] Trichloromethane (Chloroform) start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	10000	EPA 5021A 2014 + EPA 8260D 2018	
[1] 1,2-Dichloroethane start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 5021A 2014 + EPA 8260D 2018	
[1] 1,1-Dichloroethylene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	10000	EPA 5021A 2014 + EPA 8260D 2018	
[1] 1,2-Dichloroethylene (cis+trans) start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	125000	EPA 5021A 2014 + EPA 8260D 2018	
[1] 1,1,1,2-Tetrachloroethane start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	10000	EPA 5021A 2014 + EPA 8260D 2018	
[1] 1,1,2,2-Tetrachloroethane start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 5021A 2014 + EPA 8260D 2018	
[1] 1,1,1-Trichloroethane start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	250000	EPA 5021A 2014 + EPA 8260D 2018	
[1] 1,1,2-Trichloroethane start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	10000	EPA 5021A 2014 + EPA 8260D 2018	
[1] Vinyl Chloride start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 5021A 2014 + EPA 8260D 2018	
[1] Aliphatic organic solvents start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 5021A 2014 + EPA 8260D 2018	*
[1] Methyleneethylketone (MEK) start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	200000	EPA 5021A 2014 + EPA 8260D 2018	*
CHLOROBENZENES							
[1] Chlorobenzene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	250000	EPA 5021A 2014 + EPA 8260D 2018	
[1] 1,2-Dichlorobenzene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	50000	EPA 5021A 2014 + EPA 8260D 2018	
[1] 1,4-Dichlorobenzene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	10000	EPA 5021A 2014 + EPA 8260D 2018	

follows CERTIFICATE OF ANALYSIS n° 2215206-004 del 10/14/2022

Parameters	U.M.	Results	M.U.	L.o.Q.	Law limits	Test Methods	Accred. Param.
[!] Trichlorobenzenes start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	*
NITROAROMATICS							
[!] Nitrobenzene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] 2,4-Dinitrotoluene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	*
PHENOLS AND CHLOROPHENOLS							
[!] Phenols start/end date: 28-09-2022/10-13-2022	mg/Kg	9,8	±1,5	0,1	30000	EPA 3550C 2007 + EPA 9065 1986	*
[!] Phenol start/end date: 28-09-2022/10-13-2022	mg/Kg	9,8	±2,5	0,1	30000	EPA 3550C 2007 + EPA 9065 1986	
[!] 2-Chlorophenol start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	250000	EPA 3550C 2007 + EPA 8270E 2018	
[!] 2,4-Dichlorophenol start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	250000	EPA 3550C 2007 + EPA 8270E 2018	
[!] 2,4,6-Trichlorophenol start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	250000	EPA 3550C 2007 + EPA 8270E 2018	
PHTHALATES							
[!] Bis-(2-ethylhexy)phthalate start/end date: 28-09-2022/10-13-2022	mg/Kg	156	± 39	5	5000	EPA 3550C 2007 + EPA 8270E 2018	
[!] Aldehydes start/end date: 28-09-2022/10-13-2022	mg/Kg	7,6	± 1,1	0,1		EPA 8315A 1996	*
[!] Formaldehyde start/end date: 28-09-2022/10-13-2022	mg/Kg	2,40	±0,36	0,1		EPA 8315A 1996	*
Polycyclic Aromatic Hydrocarbons [PAHs]					EC Reg. 1357/2014		
[!] Naphtalene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	2500	EPA 3550C 2007 + EPA 8270E 2018	
[!] Acenaphthylene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Acenaphthene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Fluorene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Phenanthrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Anthracene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	

follows CERTIFICATE OF ANALYSIS n° 2215206-004 del 10/14/2022

Parameters	U.M.	Results	M.U.	L.o.Q.	Law limits	Test Methods	Accred. Param.
[*] Fluoranthene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[*] Pyrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[*] Benzo(a)anthracene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	25	EPA 3550C 2007 + EPA 8270E 2018	
[*] Chrysene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 3550C 2007 + EPA 8270E 2018	
[*] Benzo(b)fluoranthene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 3550C 2007 + EPA 8270E 2018	
[*] Benzo(k)fluoranthene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 3550C 2007 + EPA 8270E 2018	
[*] Benzo(a)pyrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	100	EPA 3550C 2007 + EPA 8270E 2018	
[*] Indeno(1,2,3-cd)pyrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[*] Dibenzo(a,h)anthracene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	25	EPA 3550C 2007 + EPA 8270E 2018	
[*] Benzo(ghi)perylene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[*] Dibenzo(a,e)pyrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[*] Dibenzo(a,h)pyrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[*] Dibenzo(a,i)pyrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[*] Dibenzo(a,l)pyrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[*] Benzo(j)fluoranthene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 3550C 2007 + EPA 8270E 2018	*
[*] Benzo(e)pyrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 3550C 2007 + EPA 8270E 2018	*
[*] Total Polycyclic Aromatic Hydrocarbons start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
PESTICIDES							
[*] Aldrin start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	50	EPA 3550C 2007 + EPA 8270E 2018	
[*] Dieldrin start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	50	EPA 3550C 2007 + EPA 8270E 2018	
[*] DDD, DDT, DDE start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	50	EPA 3550C 2007 + EPA 8270E 2018	
[*] Chlordane start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	50	EPA 3550C 2007 + EPA 8270E 2018	
[*] Heptachlor start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	50	EPA 3550C 2007 + EPA 8270E 2018	
[*] 2,4-D start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	*
[*] Hexachlorobutadiene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	50	EPA 5021A 2014 + EPA 8260D 2018	

follows CERTIFICATE OF ANALYSIS n° 2215206-004 del 10/14/2022

Parameters	U.M.	Results	M.U.	L.o.Q.	Law limits	Test Methods	Accred. Param.
HYDROCARBONS					EC Reg. 1357/2014	-	
[1] Hydrocarbons C _≤ 12 start/end date: 28-09-2022/10-13-2022	mg/Kg	< 10		10	2500	EPA 5021A 2014 + EPA 8015C 2007	
[1] Hydrocarbons C _{>} 12 start/end date: 28-09-2022/10-13-2022	mg/Kg	11600	± 7300	5	25000	EPA 3550C 2007 + EPA 8015C 2007	
[1] Total hydrocarbons (C ₁₀ -C ₄₀) start/end date: 28-09-2022/10-13-2022	mg/Kg	1450	±180	100	25000	UNI EN 14039:2005	
OTHER SUBSTANCES						-	
[1] Polychlorobiphenyls (PCB) start/end date: 28-09-2022/10-13-2022	mg/Kg	< 1		1	10	EPA 3550C 2007 + EPA 8270D 2014	*
[1] MTBE (Methyl tert-butyl ether) start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 5021A 2014 + EPA 8260D 2018	

U.M. = Unit of Measurement

M.U. = Measurement Uncertainty

L.o.Q. = Limit of Quantification

[1] Site A: Via al Torrente n° 22 - 47923 Rimini (RN)

[2] Site B: Via al Torrente n° 26 - 47923 Rimini (RN)

CATEGORY PARAMETERS 0 = tests carried out at the laboratory.

CATEGORY PARAMETERS II = tests carried out in a mobile environment of a test laboratory specially equipped to perform certain tests.

CATEGORY PARAMETERS III [field parameters] = tests carried out by staff of the Laboratory on sites outside the Testing Laboratory.

The preparation of the test portions was carried out in accordance with UNI EN 15002. The subsequent homogenisation phase was carried out in accordance with the sequence of operations on p. 11 of that provision.

If not otherwise specified, measurement uncertainty is expanded and calculated with a coverage factor k=2 with a probability of roughly 95%.

The Measurement Uncertainty of the laboratory tests does not include the sampling uncertainty. The Measurement Uncertainty is expressed only for results greater than the Limit of Quantification

All tests are ACCREDIA accredited (Accred. Param. = Accredited Parameters) except for those marked with an asterisk (*).

Determination of residues/traces: the analytical results not complying with the recovery statistical test performed for the method validation, are increased with the recovery values. The recovery values are at client's disposal and they are reported in the certificate of analysis, if used for analytical result calculation.

Document digitally signed pursuant to D.Lgs n° 82 of 07 March 2005 and s.m.i.

Gruppo CSA S.p.A. is not responsible for sampling: analysis results are referred exclusively to the sample as it was delivered to the laboratory. The laboratory disclaims any liability about the information supplied by the customer (sample description, sampling date).

Any further information about test methods not included in this certificate of analysis can be supplied by the laboratory subject to a formal request.

Additional information about certificate of analysis with method UNI EN ISO 14039:

- Extraction method: "Sonicator"
- Purification: "Florisil"
- Actions that affected the result not specified in the Test method procedure (PDP) of method "none"
- Presence of low boiling compounds (< C₁₀) "none"
- Presence of high boiling compounds (> C₄₀) "presence"

follows CERTIFICATE OF ANALYSIS n° 2215206-004 del 10/14/2022

Additional information about certificate of analysis with method UNI CEN/TS 16023:2014:

- Hydrogen 7,57 % (dmb)

The following PCBs congeners were determined:

Congeners that may have health-hygiene significant implications:

#28, #52, #95, #99, #101, #110, #128, #138, #146, #149, #151, #153, #170, #177, #180, #183, #187.

Congeners designated as "dioxin like" by WHO:

#77, #81, #105, #114, #118, #123, #126, #156, #157, #167, #169, #189.

ACTIVITY NOT SUBJECT TO ACCREDITATION:

CLASSIFICATION

The classification below is referred exclusively to the parameters analyzed and certified chosen according to the type of waste and the information contained in the descriptive sheet of the waste supplied by the manufacturer about both the raw materials used and the production cycle; it is based on the comparison, without considering the Measurement Uncertainty, between the analytical result and the reference values contained in the following Regulations. It is referred to the following Regulations in force

COMMISSION REGULATION (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives.

DECREE No. 47 of 9 August 2021 by which the Ministry of Ecological Transition approved the guidelines on waste classification set out in Resolution No. 105 of the SNPA Council of 18 May 2021.

REGULATION (EU) No 1021/2019 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on persistent organic pollutants.

COMMISSION DECISION of 18 December 2014 amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council.

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC

COMMISSION REGULATION (EU) 2018/1480 of 4 October 2018 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures and correcting Commission Regulation (EU) 2017/776 (Text with EEA relevance)

COMMISSION REGULATION (EU) 2016/1179 of 19 July 2016 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

Note of the COMMISSION REGULATION (EU) 2016/1179 of 19 July 2016: with regard to the substance lead, RAC proposes in its scientific opinion of 5 December 2013 to classify it as toxic for reproduction category 1A. However, in view of the lack of certainty regarding the bioavailability of lead in the massive form, a distinction needs to be made between the massive form (particle size more than or equal to 1 mm) and the powder form (particle size of less than 1 mm). It is therefore appropriate to introduce a specific concentration limit (SCL) of $\geq 0,03$ % for the powder form and a generic concentration limit (GCL) of $\geq 0,3$ % for the massive form.

follows CERTIFICATE OF ANALYSIS n° 2215206-004 del 10/14/2022

COUNCIL REGULATION (EU) 2017/997 of 8 June 2017 amending Annex III to Directive 2008/98/EC of the European Parliament and of the Council as regards the hazardous property HP 14 'Ecotoxic'

COMMISSION REGULATION (EU) 2017/776 of 4 May 2017 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

REGULATION (EU) 2019/1021 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on persistent organic pollutants (recast) (Text with EEA relevance)

follows CERTIFICATE OF ANALYSIS n° 2215206-005 del 10/14/2022

COMMISSION REGULATION (EU) 2019/636 of 23 April 2019 amending Annexes IV and V to Regulation (EC) No 850/2004 of the European Parliament and of the Council on persistent organic pollutants [31/10/2019]

COMMISSION REGULATION (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives (Text with EEA relevance)

With reference to the Hazard Statement Codes from HP3 to HP8 and HP10, HP11, HP13 and HP14, the sample analyzed is classified as:

NON-HAZARDOUS URBAN WASTE

as it doesn't have the properties set by COMMISSION REGULATION (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives (Text with EEA relevance).

Analytical results are referred only to the samples tested.
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Laboratory Production Unit

The Director
(Dr. Ivan Fagiolino)


Rimini, 10/14/2022

CERTIFICATE OF ANALYSIS n° 2215206-005 del 10/14/2022

Lab. sample lot id.:	2215206	Client: Newster System S.r.l. Via Pascoli, 26/28 47853 CORIANO - ITALIA (RN)
Sample receipt date:	09/28/2022	
Sampling carried out by:	Client	
Sampling date:	09/27/2022	
Lab. sample id:	2215206-005	
Client sample id:	Solid waste 1.1_SW10_2022_09_27	
Sampling site:	EER code 20 03 01 - Mixed municipal waste Sterilization system NW15 SN. 534 Accredited Private Hospital "Sol et Salus" - via San Salvador, 108 - Rimini (RN)	
Distributor:	Steriltech Waste Company S.r.l.	
Matrix:	Flocs derived from medical waste sterilization NW15 SN. 534	
Analysis start:	09/28/2022	Analysis end: 10/13/2022

Parameters	U.M.	Results	M.U.	L.o.Q.	Law limits	Test Methods	Accred. Param.
CATEGORY PARAMETERS 0							-
ANIONS							-
[1] Chlorides (chloride ion) start/end date: 28-09-2022/10-12-2022	mg/Kg	2790	± 420	1		EPA 9056A 2007	
[1] Sulphates (sulphate ion) start/end date: 28-09-2022/10-12-2022	mg/Kg	121	± 18	1		EPA 9056A 2007	
[1] Nitrates (nitrate ion) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1		EPA 9056A 2007	
[1] Total cyanides (cyanide ion) start/end date: 28-09-2022/10-12-2022	mg/Kg	0,2		0,2		EPA 9013A 2014 + EPA 9010C 2004 + EPA 9014 2014	
COMBUSTION PARAMETERS							-
[1] Fluorine start/end date: 28-09-2022/10-12-2022	mg/kg	< 50		50		EPA 5050 1994 + EPA 9056A 2007	
HEAVY METALS					EC Reg. 1357/2014	-	
[1] Antimony (Sb) start/end date: 28-09-2022/10-12-2022	mg/Kg	17,00	± 6,2	1	25000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[1] Arsenic (As) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1	1000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[1] Barium (Ba) start/end date: 28-09-2022/10-12-2022	mg/Kg	54	± 12	1	10000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[1] Boron (B) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 2,5		2,5	3000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	

follows CERTIFICATE OF ANALYSIS n° 2215206-005 del 10/14/2022

Parameters	U.M.	Results	M.U.	L.o.Q.	Law limits	Test Methods	Accred. Param.
[*] Cadmium (Cd) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1	100	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[*] Cobalt (Co) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1	100	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[*] Chromium (Cr) start/end date: 28-09-2022/10-12-2022	mg/Kg	6,00	± 2,2			UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[*] Hexavalent chromium (Cr VI) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 5		5	1000	EPA 3060A 1996 + EPA 7199 1996	
[*] Manganese (Mn) start/end date: 28-09-2022/10-12-2022	mg/Kg	3,0	± 1,1	1	2500	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[*] Mercury (Hg) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1	1000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	*
[*] Molibdenum (Mo) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1	10000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[*] Nickel (Ni) start/end date: 28-09-2022/10-12-2022	mg/Kg	4,00	± 1,5	1	1000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[*] Lead (Pb) start/end date: 28-09-2022/10-12-2022	mg/Kg	<1		1	300-3000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[*] Copper (Cu) start/end date: 28-09-2022/10-12-2022	mg/Kg	272	± 78	1	2500	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[*] Selenium (Se) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1	2500	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[*] Vanadium (V) start/end date: 28-09-2022/10-12-2022	mg/Kg	< 1		1	10000	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
[*] Zinc (Zn) start/end date: 28-09-2022/10-12-2022	mg/Kg	119	± 32	1	2500	UNI EN 13657:2004 + UNI EN ISO 11885:2009	
ORGANIC SUBSTANCES					EC Reg. 1357/2014	-	
[*] Aromatic organic solvents start/end date: 28-09-2022/10-13-2022	mg/Kg	7,0	±1,6	5		EPA 5021A 2014 + EPA 8260D 2018	
[*] Benzene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 5021A 2014 + EPA 8260D 2018	
[*] Ethylbenzene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 5021A 2014 + EPA 8260D 2018	
[*] Toluene start/end date: 28-09-2022/10-13-2022	mg/Kg	7,0	±1,1	5		EPA 5021A 2014 + EPA 8260D 2018	
[*] Xylenes start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 5021A 2014 + EPA 8260D 2018	
[*] Styrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 5021A 2014 + EPA 8260D 2018	

follows CERTIFICATE OF ANALYSIS n° 2215206-005 del 10/14/2022

Parameters	U.M.	Results	M.U.	L.o.Q.	Law limits	Test Methods	Accred. Param.
[!] Chlorinated organic solvents start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 5021A 2014 + EPA 8260D 2018	
[!] Dichloromethane (Methylene chloride) start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	10000	EPA 5021A 2014 + EPA 8260D 2018	
[!] Trichloroethylene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 5021A 2014 + EPA 8260D 2018	
[!] Tetrachloroethylene (Perchloroethylene) start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	10000	EPA 5021A 2014 + EPA 8260D 2018	
[!] Carbon tetrachloride start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	10000	EPA 5021A 2014 + EPA 8260D 2018	
[!] Trichloromethane (Chloroform) start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	10000	EPA 5021A 2014 + EPA 8260D 2018	
[!] 1,2-Dichloroethane start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 5021A 2014 + EPA 8260D 2018	
[!] 1,1-Dichloroethylene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	10000	EPA 5021A 2014 + EPA 8260D 2018	
[!] 1,2-Dichloroethylene (cis+trans) start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	125000	EPA 5021A 2014 + EPA 8260D 2018	
[!] 1,1,1,2-Tetrachloroethane start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	10000	EPA 5021A 2014 + EPA 8260D 2018	
[!] 1,1,2,2-Tetrachloroethane start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 5021A 2014 + EPA 8260D 2018	
[!] 1,1,1-Trichloroethane start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	250000	EPA 5021A 2014 + EPA 8260D 2018	
[!] 1,1,2-Trichloroethane start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	10000	EPA 5021A 2014 + EPA 8260D 2018	
[!] Vinyl Chloride start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 5021A 2014 + EPA 8260D 2018	
[!] Aliphatic organic solvents start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 5021A 2014 + EPA 8260D 2018	*
[!] Methyleneethylketone (MEK) start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	200000	EPA 5021A 2014 + EPA 8260D 2018	*
CHLOROBENZENES							
[!] Chlorobenzene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	250000	EPA 5021A 2014 + EPA 8260D 2018	
[!] 1,2-Dichlorobenzene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	50000	EPA 5021A 2014 + EPA 8260D 2018	
[!] 1,4-Dichlorobenzene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	10000	EPA 5021A 2014 + EPA 8260D 2018	

follows CERTIFICATE OF ANALYSIS n° 2215206-005 del 10/14/2022

Parameters	U.M.	Results	M.U.	L.o.Q.	Law limits	Test Methods	Accred. Param.
[!] Trichlorobenzenes start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	*
NITROAROMATICS							
[!] Nitrobenzene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] 2,4-Dinitrotoluene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	*
PHENOLS AND CHLOROPHENOLS							
[!] Phenols start/end date: 28-09-2022/10-13-2022	mg/Kg	9,8	±2,5	0,1	30000	EPA 3550C 2007 + EPA 9065 1986	*
[!] 2-Chlorophenol start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	250000	EPA 3550C 2007 + EPA 8270E 2018	
[!] 2,4-Dichlorophenol start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	250000	EPA 3550C 2007 + EPA 8270E 2018	
[!] 2,4,6-Trichlorophenol start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	250000	EPA 3550C 2007 + EPA 8270E 2018	
PHTHALATES							
[!] Bis-(2-ethylhexy)phthalate start/end date: 28-09-2022/10-13-2022	mg/Kg	156	± 39	5	5000	EPA 3550C 2007 + EPA 8270E 2018	
[!] Aldehydes start/end date: 28-09-2022/10-12-2022	mg/Kg	7,6	± 1,1	0,1		EPA 8315A 1996	*
[!] Formaldehyde start/end date: 28-09-2022/10-12-2022	mg/Kg	2,40	±0,36	0,1		EPA 8315A 1996	*
Polycyclic Aromatic Hydrocarbons [PAHs]					EC Reg. 1357/2014		
[!] Naphtalene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	2500	EPA 3550C 2007 + EPA 8270E 2018	
[!] Acenaphthylene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Acenaphthene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Fluorene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Phenanthrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Anthracene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Fluoranthene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	

follows CERTIFICATE OF ANALYSIS n° 2215206-005 del 10/14/2022

Parameters	U.M.	Results	M.U.	L.o.Q.	Law limits	Test Methods	Accred. Param.
[!] Pyrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Benzo(a)anthracene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	25	EPA 3550C 2007 + EPA 8270E 2018	
[!] Chrysene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 3550C 2007 + EPA 8270E 2018	
[!] Benzo(b)fluoranthene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 3550C 2007 + EPA 8270E 2018	
[!] Benzo(k)fluoranthene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 3550C 2007 + EPA 8270E 2018	
[!] Benzo(a)pyrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	100	EPA 3550C 2007 + EPA 8270E 2018	
[!] Indeno(1,2,3-cd)pyrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Dibenzo(a,h)anthracene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	25	EPA 3550C 2007 + EPA 8270E 2018	
[!] Benzo(ghi)perylene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Dibenzo(a,e)pyrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Dibenzo(a,h)pyrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Dibenzo(a,i)pyrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Dibenzo(a,l)pyrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
[!] Benzo(j)fluoranthene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 3550C 2007 + EPA 8270E 2018	*
[!] Benzo(e)pyrene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	1000	EPA 3550C 2007 + EPA 8270E 2018	*
[!] Total Polycyclic Aromatic Hydrocarbons start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	
PESTICIDES							
[!] Aldrin start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	50	EPA 3550C 2007 + EPA 8270E 2018	
[!] Dieldrin start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	50	EPA 3550C 2007 + EPA 8270E 2018	
[!] DDD, DDT, DDE start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	50	EPA 3550C 2007 + EPA 8270E 2018	
[!] Chlordane start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	50	EPA 3550C 2007 + EPA 8270E 2018	
[!] Heptachlor start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	50	EPA 3550C 2007 + EPA 8270E 2018	
[!] 2,4-D start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 3550C 2007 + EPA 8270E 2018	*
[!] Hexachlorobutadiene start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5	50	EPA 5021A 2014 + EPA 8260D 2018	

follows CERTIFICATE OF ANALYSIS n° 2215206-005 del 10/14/2022

Parameters	U.M.	Results	M.U.	L.o.Q.	Law limits	Test Methods	Accred. Param.
HYDROCARBONS					EC Reg. 1357/2014	-	
[*] Hydrocarbons C=< 12 start/end date: 28-09-2022/10-13-2022	mg/Kg	< 10		10	2500	EPA 5021A 2014 + EPA 8015C 2007	
[*] Hydrocarbons C> 12 start/end date: 28-09-2022/10-13-2022	mg/Kg	11600	± 7300	5	25000	EPA 3550C 2007 + EPA 8015C 2007	
[*] Total hydrocarbons (C10-C40) start/end date: 28-09-2022/10-13-2022	mg/Kg	1450	± 180	100	25000	UNI EN 14039:2005	
OTHER SUBSTANCES						-	
[*] MTBE (Methyl tert-butyl ether) start/end date: 28-09-2022/10-13-2022	mg/Kg	< 5		5		EPA 5021A 2014 + EPA 8260D 2018	

U.M. = Unit of Measurement

M.U. = Measurement Uncertainty

L.o.Q. = Limit of Quantification

[*] Site A: Via al Torrente n° 22 - 47923 Rimini (RN)

[*] Site B: Via al Torrente n° 26 - 47923 Rimini (RN)

CATEGORY PARAMETERS 0 = tests carried out at the laboratory.

CATEGORY PARAMETERS II = tests carried out in a mobile environment of a test laboratory specially equipped to perform certain tests.

CATEGORY PARAMETERS III [field parameters] = tests carried out by staff of the Laboratory on sites outside the Testing Laboratory.

The preparation of the test portions was carried out in accordance with UNI EN 15002. The subsequent homogenisation phase was carried out in accordance with the sequence of operations on p. 11 of that provision.

If not otherwise specified, measurement uncertainty is expanded and calculated with a coverage factor k=2 with a probability of roughly 95%.

The Measurement Uncertainty of the laboratory tests does not include the sampling uncertainty. The Measurement Uncertainty is expressed only for results greater than the Limit of Quantification

All tests are ACCREDIA accredited (Accred. Param. = Accredited Parameters) except for those marked with an asterisk (*).

Determination of residues/traces: the analytical results not complying with the recovery statistical test performed for the method validation, are increased with the recovery values. The recovery values are at client's disposal and they are reported in the certificate of analysis, if used for analytical result calculation.

Document digitally signed pursuant to D.Lgs n° 82 of 07 March 2005 and s.m.i.

Gruppo CSA S.p.A. is not responsible for sampling: analysis results are referred exclusively to the sample as it was delivered to the laboratory. The laboratory disclaims any liability about the information supplied by the customer (sample description, sampling date).

Any further information about test methods not included in this certificate of analysis can be supplied by the laboratory subject to a formal request.

Additional information about certificate of analysis with method UNI EN ISO 14039:

- Extraction method: "Sonicator"
- Purification: "Florisil"
- Actions that affected the result not specified in the Test method procedure (PDP) of method "none"
- Presence of low boiling compounds (< C10) "none"
- Presence of high boiling compounds (> C40) "none"

follows CERTIFICATE OF ANALYSIS n° 2215206-005 del 10/14/2022

ACTIVITY NOT SUBJECT TO ACCREDITATION:

CLASSIFICATION

The classification below is referred exclusively to the parameters analyzed and certified chosen according to the type of waste and the information contained in the descriptive sheet of the waste supplied by the manufacturer about both the raw materials used and the production cycle; it is based on the comparison, without considering the Measurement Uncertainty, between the analytical result and the reference values contained in the following Regulations. It is referred to the following Regulations in force

COMMISSION REGULATION (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives.

DECREE No. 47 of 9 August 2021 by which the Ministry of Ecological Transition approved the guidelines on waste classification set out in Resolution No. 105 of the SNPA Council of 18 May 2021.

REGULATION (EU) No 1021/2019 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on persistent organic pollutants.

COMMISSION DECISION of 18 December 2014 amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council.

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC

COMMISSION REGULATION (EU) 2018/1480 of 4 October 2018 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures and correcting Commission Regulation (EU) 2017/776 (Text with EEA relevance)

COMMISSION REGULATION (EU) 2016/1179 of 19 July 2016 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

Note of the COMMISSION REGULATION (EU) 2016/1179 of 19 July 2016: with regard to the substance lead, RAC proposes in its scientific opinion of 5 December 2013 to classify it as toxic for reproduction category 1A. However, in view of the lack of certainty regarding the bioavailability of lead in the massive form, a distinction needs to be made between the massive form (particle size more than or equal to 1 mm) and the powder form (particle size of less than 1 mm). It is therefore appropriate to introduce a specific concentration limit (SCL) of $\geq 0,03$ % for the powder form and a generic concentration limit (GCL) of $\geq 0,3$ % for the massive form.

COUNCIL REGULATION (EU) 2017/997 of 8 June 2017 amending Annex III to Directive 2008/98/EC of the European Parliament and of the Council as regards the hazardous property HP 14 'Ecotoxic'

COMMISSION REGULATION (EU) 2017/776 of 4 May 2017 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

REGULATION (EU) 2019/1021 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on persistent organic pollutants (recast) (Text with EEA relevance)

follows CERTIFICATE OF ANALYSIS n° 2215206-005 del 10/14/2022

COMMISSION REGULATION (EU) 2019/636 of 23 April 2019 amending Annexes IV and V to Regulation (EC) No 850/2004 of the European Parliament and of the Council on persistent organic pollutants [31/10/2019]

COMMISSION REGULATION (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives (Text with EEA relevance)

With reference to the Hazard Statement Codes from HP3 to HP8 and HP10, HP11, HP13 and HP14, the sample analyzed is classified as:

NON-HAZARDOUS URBAN WASTE

as it doesn't have the properties set by COMMISSION REGULATION (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives (Text with EEA relevance).

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Laboratory Production Unit

The Director

(Dr. Ivan Fagiolino)

