



TEST REPORT NO.:BR2202107 Rev. 0Date: SepCLIENT DETAILSLABORATClient Name:CUSTOMERClient Contact:MARCELO LOBOTelephone:2134-7852Email:marcelo.lobo@cea.com.brAddress:ALAMEDA ARAGUAIAAddress:ALAMEDA ARAGUAIAAddress:ALAMEDA ARAGUAIAAddress:ALAMEDA ARAGUAIAAddress:12221022BARUERI, SP 06455000BRAZILBR2202107.002FACTORY DETAILSCarlosFactory Contact:CarlosFactory Contact:CarlosTelephone:(85) 4008-1554Email:aurelio@vicunha.com.brAddress:Av. Dr. Mendel Steinbruch, S/N - KDischarge Destination:To Municipal Waste Water TreatmetTypes of Mills:(1)Spinning, (3)Fabric Dyeing Finis Printing, (9)WashingName of Municipal/Centralized ETP:CAGECEAddress of Municipal/Centralized ETP:CAGECEAddress of Municipal/Centralized ETP:CAGECEAddress of Municipal/Centralized ETP:CAGECESampling Contry:BrazilSampling Contry:BrazilSampling Engineer:14:55Sampling Engineer:SGS do Brasil LtdaSample Volume:7000MLTesting Institute:SGS do Brasil LtdaDischarge Method:Indirect DischargeSample Volume:7000MLTesting Institute:SGS do Brasil LtdaDischarge Method:Indirect DischargeSample Koltme:RC	27 2022	Page:1 of 50					
CLIENT DETAILS LABORAT Client Name: CUSTOMER SGS Affilia Client Contact: MARCELO LOBO Lab Conta Telephone: 2134-7852 Telephone Email: marcelo.lobo@cea.com.br Email: Address: ALAMEDA ARAGUAIA Address: 1222 1022 BARUERI, SP 06455000 BRAZIL SGS SAMPLE ID: BR2202107.002 FACTORY DETAILS Factory Contact: Carlos Telephone: Factory Contact: Carlos Telephone. Telephone: (85) 4008-1554 Email: aurelio@vicunha.com.br Address: Av. Dr. Mendel Steinbruch, S/N - K Discharge Destination: To Municipal Waste Water Treatmer Types of Mills: (1)Spinning, (3)Fabric Dyeing Finis Printing, (9)Washing Name of Municipal/Centralized ETP: CAGECE Address 11 Samples Sampling Engineer: Marco (8F146506956) Sampling Engineer: <td< th=""><th></th><th></th></td<>							
Client Name: CUSTOMER SGS Affilia Client Contact: MARCELO LOBO Lab Conta Telephone: 2134-7852 Telephone Email: marcelo.lobo@cea.com.br Email: Address: ALAMEDA ARAGUAIA Address: 1022 BARUERI, SP 06455000 BRAZIL SGS SAMPLE ID: BR2202107.002 FACTORY DETAILS Factory Name: Vicunha Têxtil Factory Contact: Factory Contact: Carlos Email: Factory Contact: Carlos Email: Address: Av. Dr. Mendel Steinbruch, S/N - K S/N - K Address: Av. Dr. Mendel Steinbruch, S/N - K S/N - K Discharge Destination: To Municipal Waste Water Treatme Treatme Types of Mills: (1)Spinning, (3)Fabric Dyeing Finis Printing, (9)Washing Name of Municipal/Centralized ETP: CAGECE Address of Municipal/Centralized ETP: CAGECE Address of Municipal/Centralized ETP: CAGECE Address of Marco (8F146506956) Sampling Engineer: Sampling Engineer: Marco (8F146506956) Sample Time: 11 Samples Sample Descriptions:	ORY DETAILS						
SGS SAMPLE ID:BR2202107.002FACTORY DETAILSVicunha TêxtilFactory Name:Vicunha TêxtilFactory Contact:CarlosTelephone:(85) 4008-1554Email:aurelio@vicunha.com.brAddress:Av. Dr. Mendel Steinbruch, S/N - KDischarge Destination:To Municipal Waste Water TreatmerTypes of Mills:(1)Spinning, (3)Fabric Dyeing Finis Printing, (9)WashingName of Municipal/Centralized ETP:CAGECEAddress of Municipal/Centralized ETP:CAGECESampling Country:BrazilSampling Country:BrazilSampling Engineer:Marco (8F146506956)Sample Time:14:55Sample Descriptions:BRUTO - Wastewater before tratmerSample Descriptions:BRUTO - Wastewater before tratmerSample Volume:7000MLTesting Institute:SGS do Brasil LtdaDischarge Method:Indirect DischargeSGS SAMPLE ID:BR2202107.003	:e: S(xt: Al +5 alu Av Ba Br	GS do Brasil Ltda. lessandra Shimizu 55 11 3883-8867 essandra.shimizu@sgs.com v. Piracema, 1341 arueri - São Paulo rasil					
FACTORY DETAILSFactory Name:Vicunha TêxtilFactory Contact:CarlosTelephone:(85) 4008-1554Email:aurelio@vicunha.com.brAddress:Av. Dr. Mendel Steinbruch, S/N - KDischarge Destination:To Municipal Waste Water TreatmentTypes of Mills:(1)Spinning, (3)Fabric Dyeing Finits Printing, (9)WashingName of Municipal/Centralized ETP:CAGECEAddress of Municipal/Centralized ETP:CAGECEAddress of Municipal/Centralized ETP:CE- BRAZILSampling Country:BrazilSampling Engineer:Marco (8F146506956)Sample Time:14:55Sampling End Time15:20No. of Samples:11 SamplesSample Descriptions:BRUTO - Wastewater before tratmentSample Volume:7000MLTesting Institute:SGS do Brasil Ltda Indirect DischargeSGS SAMPLE ID:BR2202107.003							
Factory Name:Vicunha TêxtilFactory Contact:CarlosTelephone:(85) 4008-1554Email:aurelio@vicunha.com.brAddress:Av. Dr. Mendel Steinbruch, S/N - KDischarge Destination:To Municipal Waste Water TreatmentTypes of Mills:(1)Spinning, (3)Fabric Dyeing FinitsName of Municipal/Centralized ETP:CAGECEAddress of Municipal/Centralized ETP:CAGECEAddress of Municipal/Centralized ETP:CAGECESampling Country:BrazilSampling Engineer:Marco (8F146506956)Sampling Engineer:14:55Sampling Ime:14:55Sample Simple Simple Simple Simple Simple Simple Descriptions:BRUTO - Wastewater before tratmentSample Volume:7000MLTesting Institute:SGS do Brasil LtdaDischarge Method:Indirect DischargeSGS SAMPLE ID:BR2202107.003							
Name of Municipal/Centralized ETP:CAGECEAddress of Municipal/Centralized ETP:CE- BRAZILSAMPLE AND TESTING DETAILSBrazilSampling Country:BrazilSampling Engineer:Marco (8F146506956)Sampling Engineer:14:55Sampling End Time15:20No. of Samples:11 SamplesSample Descriptions:BRUTO - Wastewater before tratmSample Volume:7000MLTesting Institute:SGS do Brasil LtdaDischarge Method:Indirect DischargeSGS SAMPLE ID:BR2202107.003	Vicunha Têxtil Carlos (85) 4008-1554 aurelio@vicunha.com.br Av. Dr. Mendel Steinbruch, S/N - Km 9 - D. Industrial, Maracanaú - CE To Municipal Waste Water Treatment Plant (1)Spinning, (3)Fabric Dyeing Finishing Washing, (4)Fabric Dyeing Finishing Printing, (9)Washing						
SAMPLE AND TESTING DETAILSSampling Country:BrazilSampling Engineer:Marco (8F146506956)Sample Time:14:55Sampling End Time15:20No. of Samples:11 SamplesSample Descriptions:BRUTO - Wastewater before tratmSample Volume:7000MLTesting Institute:SGS do Brasil LtdaDischarge Method:Indirect DischargeSGS SAMPLE ID:BR2202107.003SAMPLE AND TESTING DETAILSSample Sample Sa							
Sampling Country:BrazilSampling Engineer:Marco (8F146506956)Sample Time:14:55Sampling End Time15:20No. of Samples:11 SamplesSample Descriptions:BRUTO - Wastewater before tratmSample Volume:7000MLTesting Institute:SGS do Brasil LtdaDischarge Method:Indirect DischargeSGS SAMPLE ID:BR2202107.003SAMPLE AND TESTING DETAILSSample Volume:							
SGS SAMPLE ID: BR2202107.003 SAMPLE AND TESTING DETAILS	ent						
SAMPLE AND TESTING DETAILS							
Sample Time:14:00Sampling End Time14:50No. of Samples:11 SamplesSample Descriptions:TRATADO - Discharged WastewateSample Volume:14000ML	۶r						
SGS SAMPLE ID: BR2202107.004							
SAMPLE AND TESTING DETAILS							
Sample Time: 13:20 Sampling End Time 13:30 This document is issued by the Company under its General Conditions of Service available on request and accessible at http://www.sto the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that informat time of its Intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and the service available on the service	jsgroup.com.br/pl-br/terms-and-cor on contained hereon reflects the C∢ is document does not exonerate pa	nditions. Attention is drawn ompany's findings at the arties to a transaction from					

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No. of Samples:	02 Samples		
Sample Descriptions:	LODO - Mud		
The informations above was provide	d by or on behalf of the customer.		
Proposal Number:	PR22-330637 REV01		
Sample Received Date:	Jul 06 2022		
Test Performing Period:	Jul 06 2022 - Aug 30 2	022	
Test Requested :	Selected test(s) as req	uested by client.	
Test Method :	Please refer to next pa	ge(s).	
Test Results :	Please refer to next pa	ge(s).	
Technical Responsability :	Alessandra Shimizu - I	Laboratory Manager CRQ 04245	592

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OVERALL RESULTS

	Incoming Water	Raw Waste Water	Discharged Waste Water
Conventional Parameters/ Anion/ Metals	Not Tested	Exceed Foundational Limit	Fulfill Aspirational Limit
MRSL Parameters	Not Tested	Not Detected	Detected

REMARKS

1. This test document cannot be reproduced in any way, except in full content, without prior approval in writing by the laboratory.

2. The results shown in this test report refer only to the sampling and the sample(s) tested unless otherwise stated.

3. For indirect discharge, factory performance against ZDHC requirements for conventional parameters, anions and metals for Discharged Waste Water are for reference only. Actual factory performance on Discharged Waste Water should be compared with the discharged license of the factory.

Signed for and on behalf of

SGS do Brasil Ltda.

Obstini z-

Alessandra Shimizu Laboratory Manager CRQ 04245592

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RESULT SUMMARY

Factory Name:

Factory Address:

TEST ITEMS	Incoming Water	Raw Waste Water	Discharged Waste Water
Conventional Parameters			Please refer to the information in TEST RESULTS
Average Waste Water Flow §	N/A	N/A	X
Total Cyanide §	N/A	N/A	0
Sulfide. Methylene Blue Method §	N/A	N/A	0
Sulfite §	N/A	N/A	X
Ammonia Nitrogen §	N/A	N/A	X
Determination of AOX §	N/A	N/A	0
Biochemical Oxigen Demand (BOD) §	N/A	N/A	X
Chemical Oxygen Demand §	N/A	N/A	X
Total Coliforms §	N/A	N/A	X
Color §	N/A	N/A	X
Oil and Grease in Water (Gravimetric) §	N/A	N/A	X
Sampling §	N/A	N/A	X
рН§	N/A	N/A	X
Phenol §	N/A	N/A	0
Temperature §	N/A	N/A	X
Determination of Total Nitrogen §	N/A	N/A	X
Determination of Total Phosphorus §	N/A	N/A	X
Total Suspended Solids (TSS) §	N/A	N/A	0
Heavy Metals	N/A	Х	0

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				1				
TEST ITEMS		Incomi	ng Water	Raw Waste Water	Discharged Waste Water			
Conventional Parameters					Please refer to the information in TEST RESULTS			
Total Hexavalent Chromium		1	N/A	0	0			
Alkylphenols (APEOs)		1	N/A	0	0			
Alkylphenols (APEOs)		1	N/A	0	X			
Chlorobenzenes and Chlorotoluenes	3	1	N/A	0	0			
Chloro- Phenols		1	N/A	0	0			
Banned Amines (Associated with Az	o dyes)	1	N/A	0	0			
Carcinogenic dyes and Disperse dye	es	1	N/A	0	0			
Halogenated Flame retardants		1	N/A	0	0			
Short Chain Chlorinated Paraffins (S C10-C13	CCP) with	1	N/A	0	0			
Glycols		1	N/A	0	0			
Halogenated Solvents		1	N/A	0	0			
Organotin Compounds		1	N/A	0	0			
Phthalates		1	N/A	0	0			
PFCs (Perfluorocarbon / Polyfluorina	ated Compounds)	1	N/A	0	0			
Polycyclic Aromatic Hydrocarbons (F	PAHs)	1	N/A	0	0			
Volatile organic compounds (VOCs)		1	N/A	0	0			
Metals		1	N/A	N/A	N/A			

Note :

X - Detected

O - Not Detected

N/A - Not Tested

N/A - Not lested

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TEST RESULTS

Factory Name:

Factory Address:

	Sample			001	002	003	004								
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-2022								
		Sampling	Location	-	ETA	ETA	Sludge								
	s	ampling S	tart Time	-	14:55	14:00	(5:20								
	:	Sampling I	End Time	-	15:20	14:50	13:30					_			
									ZDHC REQUIREMENTS			Factory Performance			
Items	CAS No.	Reporting	Unit	Incoming	Raw Waste	Discharged	Mud	Methods	Foundational	Progressive	Aspirational	Incoming	Raw Waste	Discharged	
		Limit		Water	Water	Waste Water			Limit	Limit	Limit	Water	Water	Waste Water	
Average Wast	te Water I	Flow § Su	incontra	cted to an	SGS Labora	atory – São	Bernardo d	do Campo	o, SP.				1		
Average Flow		-	-	N/A	N/A	2.400	N/A	SMWW 23 ^a Edição, método 1060; IT.10-412/ 11	-	-	-	N/A	N/A	Detected	
Total Cyanide	§ Sunco	ntracted	to an SC	GS Laborat	ory – São B	ernardo do	Campo, SF	.							
Total Cyanide		0.050	mg/L	N/A	N/A	n.d.	N/A	APHA 4500 CN-F	0,2	0,1	0,05	N/A	N/A	Fulfill Aspirational Limit	
Sulfide. Methy	ylene Blu	e Method	§ Sunc	ontracted	to an SGS L	aboratory -	São Berna	ardo do C	ampo, SP.						
Sulfide		0.010	mg/L	N/A	N/A	n.d.	N/A	APHA 4500 S2 - D	0,5	0,05	0,01	N/A	N/A	Fulfill Progressive Limit	
Sulfite § Sund	contracte	d to an S	GS Labo	oratory – S	ão Bernardo	o do Campo	, SP.								
Sulfite		-	mg/L	N/A	N/A	0.174	N/A	ISO 10304-3	2	0,5	0,2	N/A	N/A	Fulfill Aspirational Limit	
Ammonia Niti	rogen § S	uncontra	cted to	an SGS La	boratory – S	São Bernaro	lo do Camp	oo, SP.							
Ammonium Nitrogen as N		0.050	mg/L	N/A	N/A	4.615	N/A	USEPA 350.1	10	1	0,5	N/A	N/A	Fulfill Foundational Limit	
Determination	n of AOX	§ Suncor	tracted	to an SGS	Laboratory	– São Bern	ardo do Ca	impo, SP.							
AOX		0.050	mg/L	N/A	N/A	n.d.	N/A	IT 10-636	5	1	0,1	N/A	N/A	Fulfill Aspirational Limit	
Biochemical	Oxigen D	emand (E	OD) § S	uncontrac	ted to an SO	GS Laborato	ory – São B	ernardo o	do Campo, S	Р.			<u></u>		
Biochemical Oxygen Demand		0.400	mg/L	N/A	N/A	12.950	N/A	APHA 5210B	30	15	5	N/A	N/A	Fulfill Progressive Limit	
Chemical Oxy	/gen Dem	and § Su	ncontra	cted to an	SGS Labora	atory – São	Bernardo o	lo Campo	o, SP.						
Chemical Oxygen Demand		20.000	mg/L	N/A	N/A	37.000	N/A	APHA 5220 D	150	80	40	N/A	N/A	Fulfill Aspirational Limit	
Total Coliforn	ns § Sunc	ontracte	d to an S	SGS Labor	atory – São	Bernardo d	o Campo, S	SP.							
Total Coliforms		1.000	Bacteria / 100ml	N/A	N/A	N/A	N/A	APHA 9223 B	400	100	25	N/A	N/A	N/A	
Total Coliforms		1.000	Bacteria / 100ml	N/A	N/A	>2419.6	N/A	APHA 9223 B	400	100	25	N/A	N/A	Exceed Foundational Limit	
Color § Sunce	ontracted	to an SG	S Labo	ratory – Sã	o Bernardo	do Campo,	SP.								
Color (436 nm)		1.100	m-1	N/A	N/A	8.800	N/A	ISO 7887-B:20 11(E)	7	5	2	N/A	N/A	Exceed Foundational Limit	

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		S	ample ID	001 002 003 004											
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-202	2							
		Sampling	Location	-	ETA	ETA	Sludge								
		Sampling Start Time		-	14:55	14:00	E Dewaterer								
		Sampling E	nd Time	-	15:20	14:50	13:30								
									ZDH	C REQUIREM	ENTS		Fa	actory Perform	ance
Items	CAS No	Departing	Linit	Incomina	Daw Masta	Discharged	Mud	Methods	Foundational	Due gues situe	Acminati	anal	Incoming	Daw Waste	Discharged
	0/10/110.	Limit	Unit	Water	Water	Waste Water	maa	Wethous	Limit	Limit	Lim	it	Water	Water	Waste Water
Color (525 nm)		0.500	m-1	N/A	N/A	9.900	N/A	ISO 7887-B:20	5	3	1		N/A	N/A	Exceed Foundational
Color (620 nm)		0.500	m-1	N/A	N/A	11.400	N/A	11(E) ISO 7887-B:20 11(E)	3	2	1		N/A	N/A	Exceed Foundational Limit
Oil and Greas	se in Wate	er (Gravin	netric) §	Suncontra	acted to an	SGS Labora	atory – Sã	o Bernardo	o do Campo,	SP.					
Oil and Grease		0.500	mg/L	N/A	N/A	7.000	N/A	USEPA 1664	10	2	0,5	5	N/A	N/A	Fulfill Foundational Limit
Sampling § S	uncontra	cted to ar	n SGS L	aboratory	– São Berna	ardo do Can	npo, SP.								
Foam		-	-	N/A	N/A	Not Visible	N/A	SMWW 23 ^a Edição, método 1060; IT 3.6-35 Guia de Amostrage m de Água	Not visible	Not visible	Not vis	sible	N/A	N/A	Fulfill Aspirational Limit
pH § Suncont	tracted to	an SGS I	Laborate	ory – São I	Bernardo do	o Campo, SI	? .								
рН		-	-	N/A	N/A	8.030	N/A	ISO 10523	6-9	6-9	6-9)	N/A	N/A	Fulfill Aspirational Limit
Phenol § Sun	contracte	ed to an S	GS Lab	oratory – S	São Bernaro	lo do Camp	o, SP.								
Phenol		0.001	mg/L	N/A	N/A	n.d.	N/A	APHA 5530B C&D	0,5	0,01	0,00)1	N/A	N/A	Fulfill Progressive
Temperature	§ Suncor	tracted to	o an SG	S Laborato	ory – São Be	ernardo do (Campo, S	P.						1	
Effluent Temperature		-	°C	N/A	N/A	29.400	N/A	USEPA 170.1	35	30	25		N/A	N/A	Fulfill Progressive Limit
Delta (Effluent-Ambient)			°C	N/A	N/A	2.200	N/A	USEPA 170.1	15	10	5		N/A	N/A	Fulfill Aspirational Limit
Determination	n of Total	Nitrogen	§ Sunce	ontracted	to an SGS L	aboratory –	São Berr	nardo do C	ampo, SP.						
Total Nitrogen		0.200	mg/L	N/A	N/A	6.807	N/A	SMEWW- APHA-AW WA-WEF Part 4500-P J: 2012; 23nd Ed Persulfate Method for Simultane ous Determina tion of Total Nitrogen and Total Phosphoru	20	10	5		N/A	N/A	Fuffill Progressive Limit

Determination of Total Phosphorus § Suncontracted to an SGS Laboratory – São Bernardo do Campo, SP.

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		S Date	ample ID Sampled	001 -	002 07-06-2022	003 07-06-2022	004 07-06-202	2							
		Sampling	Location	-	ETA	ETA	Sludge Dewaterer								
	5	Sampling S Sampling E	tart Time End Time	-	14:55 15:20	14:00 14:50	(5:20) 13:30		C REQUIREMI	ENTS		Factory Performance			
Items	CAS No. Reporting Unit			Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Progressive Asp Limit Limit		Aspiratio Limit	onal Incoming it Water	Raw Waste Water	Discharged Waste Water	
Total Phosphorus		0.001	mg/L	N/A	N/A	0.112	N/A	SMEWW- APHA-AW WA-WEF Part 4500-P J: 2012; 23nd Ed Persulfate Method for Simultane ous Determina tion of Total Nitrogen and Total Phosphoru s	3	0,5	0,1	N/A	N/A	Fulfill Progressive Limit	
Total Suspen	ded Solid	ls (TSS) §	Suncor	ntracted to	an SGS La	boratory – S	São Berna	rdo do Ca	mpo, SP.						
Total Suspended Solids		5.000	mg/L	N/A	N/A	n.d.	N/A	APHA 2450 D	50	15	5	N/A	N/A	Fulfill Progressive Limit	
Heavy Metals															
Total Antimony	7440-36-0	0.010	mg/L	N/A	0.022	n.d.	N/A	With reference to USEPA 200.7, USEPA 6010C, USEPA 6020A, ISO 11885, HJ 700 or Acid Digestion followed by ICP or ICP/MS	0,1	0,05	0,01	I N/A	Fulfill Progressive Limit	Fulfill Aspirational Limit	
Total Arsenic	7440-38-2	0.005	mg/L	N/A	n.d.	n.d.	N/A	dinarysis with reference to USEPA 200.7, USEPA 200.8, USEPA 6010C, USEPA 6020A, ISO 11885, HJ 700 or Acid Digestion followed by ICP or	0,05	0,01	0,005	5 N/A	Fulfill Aspirational Limit	Fulfill Aspirational Limit	

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analysis





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	Sample ID Date Sampled Sampling Location Sampling Start Time Sampling End Time			001 - - - -	002 07-06-2022 ETA 14:55 15:20	003 07-06-2022 ETA 14:00 14:50	004 07-06-2022 Sludge Dewaterer (5]2) 13:30	2	ZDH	C REQUIREM	ENTS	F	actory Perform	nance	
Items CAS No. Rep		Reporting Limit	Reporting Unit Limit		Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspirationa Limit	I Incoming Water	Raw Waste Water	Discharged Waste Water	
Total Cadmium	7440-43-9	0.010	mg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 200.7, USEPA 6010C, USEPA 6020A, ISO 11885, HJ 700 or Acid Digestion followed by ICP or ICP/MS	0,1	0,05	0,01	N/A	Fulfill Aspirational Limit	Fulfill Aspirational Limit	
Total Cobalt	7440-48-4	0.010	mg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 200.7, USEPA 200.8, USEPA 6010C, USEPA 6020A, ISO 11885, HJ 700 or Acid Digestion followed by ICP or ICP/MS analysis	0.05	0,02	0,01	N/A	Fulfil Aspirational Limit	Fulfill Aspirational Limit	
Total Copper	7440-50-8	0.250	mg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 200.7, USEPA 6010C, USEPA 6020A, ISO 11885, HJ 700 or Acid Digestion followed by ICP or ICP/MS analysis	1	0,5	0,25	N/A	Fulfill Aspirational Limit	Fulfill Aspirational Limit	

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TEST REI	TEST REPORT NO.:)2107 Rev	v. 0		Date: S	ep 27 2022	2	Pa	ge:10 of 5	D	
		s	ample ID	001	002	003	004							
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-2022	2						
		Sampling	Location	-	ETA	ETA	Sludge Dewaterer							
	5	Sampling S	tart Time	-	14:55	14:00	(5:20							
		Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS	F	actory Perforn	nance
Items	CAS No.	Reporting	Unit	Incoming	Raw Wasto	Discharged	Mud	Methods	Foundational	Progressive	Asnirationa		Raw Waste	Discharged
		Limit		Water	Water	Waste Water			Limit	Limit	Limit	Water	Water	Waste Water
Total Lead	7439-92-1	0.010	mg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 200.7, USEPA 6010C, USEPA 6020A, ISO 11885, HJ 700 or Acid Digestion followed by ICP or ICP/MS	0,1	0,05	0,01	N/A	Fulfill Aspirational Limit	Fulfill Aspirational Limit
Total Mercury	7439-97-6	0.001	mg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 200.7, USEPA 6010C, USEPA 6020A, ISO 11885, HJ 700 or Acid Digestion followed by ICP or ICP/MS analysis	0,01	0,005	0,001	N/A	Fulfill Aspirational Limit	Fulfill Aspirational Limit
Total Nickel	7440-02-0	0.050	mg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 200.7, USEPA 6010C, USEPA 6020A, ISO 11885, HJ 700 or Acid Digestion followed by ICP or ICP/MS analysis	0,2	0,1	0,05	N/A	Fulfill Aspirational Limit	Fulfill Aspirational Limit

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TEST REP	ORT NO	D.:		BR220	2107 Rev	v. 0		Date: S	ep 27 2022	2		Page	e:11 of 50)	
		S	ample ID	001	002	003	004								
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-202	2							
		Sampling	Location		FTA	FTA	Sludgo								
		Sampling	Location		Ein	207	Dewaterer								
	s	Sampling St	tart Time	-	14:55	14:00	43!20								
	:	Sampling E	Ind Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS		F	actory Perform	nance
Items	CAS No.	Reporting	Unit	Incoming	Raw Waste	Discharged	Mud	Methods	Foundational	Progressive	Aspirat	tional	Incoming	Raw Waste	Discharged
		Limit		Water	Water	Waste Water			Limit	Limit	Lin	nit	Water	Water	Waste Water
Total Silver	7440-22-4	0.005	mg/L	N/A N/A	n.d.	n.d.	N/A N/A	With reference to USEPA 200.7, USEPA 6010C, USEPA 6020A, ISO 11885, HJ 700 or Acid Digestion followed by ICP or ICP/MS 200.7, USEPA 6020A, ISO 11885, HJ 700 or Acid 200.7, USEPA 6020A, ISO 11885, HJ 700 or Acid 200.8, USEPA 6020A, ISO 11885, HJ 700 or Acid Digestion followed by ICP or ISO 11885, HJ	5,0	0,05	0,0	5	N/A N/A	Fulfill Aspirational Limit Fulfill Aspirational Limit	Fulfill Aspirational Limit Fulfill Aspirational Limit
Total Hexaval	ent Chro	mium						analysis					<u> </u>		
Total Hexavalent	7440-47-3,	0.001	mg/L	N/A	n.d.	n.d.	N/A	With	0,05	0,005	0,0	01	N/A	Fulfill	Fulfill
Chromium	18540-29- 9							reference to USEPA 218.6, ISO 18412, GB 7467 or Solvent extraction and derivatisati on followed by UV/Vis analysis						Aspirational Limit	Aspirational Limit
Alkylphenols	(APEOs)														

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TEST REPORT NO.:				BR220	02107 Rev	<i>ı</i> . 0		Date: S	ep 27 2022	2	F	Page:12 o	of 50		
		S Date	ample ID Sampled	001	002 07-06-2022	003 07-06-2022	004 07-06-202	2							
		Sampling	Location	-	ETA	ETA	Sludge Dewaterer	-							
	S	Sampling S Sampling I	tart Time End Time	-	14:55 15:20	14:00 14:50	(F3:20) 13:30		ZDH	C REQUIREMI	ENTS		Fa	ctory Performa	ance
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspirati Limi	onal Incom t Wate	ing er	Raw Waste Water	Discharged Waste Water
Nonylphenol ethoxylates (NPEO)	Multiple, including 140-66-9, 1806-26-4,	5.000	μg/L	N/A	n.d.	n.d.	N/A	With reference to DIN EN ISO 18857 or ASTM D7065 followed by LC/MS	-	-	-	N/A	A	Not Detected	Not Detected
Octylphenol ethoxylates (OPEO)	Multiple, including 9002-93-1, 9036-19-5	5.000	µg/L	N/A	n.d.	n.d.	N/A	analysis With reference to DIN EN ISO 18857 or ASTM D7065 followed by LC/MS analysis	-	-	-	N/4	A.	Not Detected	Not Detected
Alkylphenols	(APEOs)			1	1			unuijoio	1						1
Octylphenol (OP), mixed isomers	Multiple, including 140-66-9, 1806-26-4,	1.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to DIN EN ISO 18857 or ASTM D7065 followed by GC/MS	-	-	-	N/A	A.	Not Detected	Not Detected
Nonylphenol (NP), mixed isomers	Multiple, including 104-40-5, 11066-49- 2	1.000	μg/L	N/A	n.d.	5.910	N/A	With reference to DIN EN ISO 18857 or ASTM D7065 followed by GC/MS analysis	-	-	-	N/A	A	Not Detected	Detected
Chlorobenze	nes and C	hlorotolu	uenes												
1,2,3,4-Tetrachlor obenzene	634-66-2	0.200	Hg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	-	-	-	N/#	A	Not Detected	Not Detected
1,2,3,5-Tetrachlor obenzene	634-90-2	0.200	µg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	-	-	-	N/A	A	Not Detected	Not Detected

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Image: Sample ID OP	TEST REPORT NO.:				BR220	02107 Rev	r. O		Date: S	ep 27 202:	2	F	Page:	13 of 50)	
Image: Simple sample																
Image: standing with the			S	ample ID	001	002	003	004								
Sampling Least Marking Start Time			Date	Sampled	-	07-06-2022	07-06-2022	07-06-2022	2							
Image: standing			Sampling	Location	-	ETA	ETA	Sludge								
Sampling Start Time · 14:56 14:30 13:20 Control (Control (Contro) (Contro) (Control (Control (Control (Contro) (Control (Control			oumping	Location				Dewaterer								
Intro CAS Mo. Rubbit Int 15.20 14.30 13.30 ZUHC REQUIREMENTS Factory Performance Intro CAS Mo. Rubbit Int None None<		5	Sampling S	tart Time	-	14:55	14:00	43!20								
Intra- Interner Disk- Linit Rage type <			Sampling E	Ind Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS		Fa	actory Perform	ance
Intro Orison Rescription Unit Incoming Water Ref Water Vision Objecting of Vision Mund Foundational Lunit Progressive Lunit Applicational Lunit Incoming Water Ref Water Water Discharged Water Water 12.3-Trichlordor reme 87-61.8 0.200 µgL N/A n.d. n.d. N/A Minot Vision r. r. N/A N/																
Image: Appendix and the second sec	Items	CAS No.	Reporting	Unit	Incoming	Raw Waste	Discharged	Mud	Methods	Foundational	Progressive	Aspirati	ional	Incoming	Raw Waste	Discharged
1.2.3-Troblorobe 67-81-8 0.200 µgk NiA n.d. n.d. NiA MiA MiA Main Main 1.2.3-Troblorobe 67-81-8 0.200 µgk NiA n.d. n.d. NiA MiA MiA NiA NiA NiA NiA 1.2.3-Troblorobe 05-81-3 0.200 µgk NiA n.d. n.d. NiA MiA NiA			Limit		Water	Water	Waste Water			Limit	Limit	Limi	it	Water	Water	Waste Water
12.3.Triditioneber (2000 87-61-6 (2000 0.200 µg/L N/A n.d. n.d. N/A Win reference (0.0000) - - N/A N/A Not Detected Not Detec																
La S-Trichtoreben 2, 26-50 100-70 100	1,2,3-Trichlorobe	87-61-6	0.200	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-		N/A	Not Detected	Not Detected
1.2.4.5.Tetracher benzene benzene no 95-94-3 0.200 µg/L N/A n.d. n.d. N/A With extraction by GOMS - - N/A N/A Not Detected 1.2.4.5.Tetracher by GOMS 95-94-3 0.200 µg/L N/A n.d. n.d. N/A With extraction by GOMS - - N/A	nzene								to USEPA							
12.4.5-Tetrachick 95-94-3 0.200 µg/L N/A n.d. n.d. N/A Win - - N/A Not Detected 12.4.5-Tetrachick 95-94-3 0.200 µg/L N/A n.d. n.d. N/A Win - - N/A Not Detected Not Detected 12.4.5-Tetrachick 95-94-3 0.200 µg/L N/A n.d. n.d. N/A Win - - N/A Not Detected Not Detected 12.4.5-Tetrachick 95-96-1 0.200 µg/L N/A n.d. n.d. N/A N/A Not Detected Not Detected Not Detected 12.5-Tetrachick 95-96-1 0.200 µg/L N/A n.d. n.d. N/A N/A N/A Not Detected 12.5-Tetrachicker 95-96-1 0.200 µg/L N/A n.d. n.d. N/A Win - - - N/A Not Detected Not Detected 12.5-Tetrachicker 95-96-1 0.200 µg/L N/A n.d. n.d. N/A N/A N/A Not Detected Not Detected Not Detected 12.5-Tetrachicker 95-96-1 0.200 µg/L N/A<									USEPA							
Image: Section of biology of the section of the sectin of the section of the section of the section of the sec									8270D or Solvent							
1.2.4.5-Tetracher belonzene 95-84-3 0.200 µgL N/A n.d. n.d. N/A With second bulker - - - N/A N/A Not Detected benzene benzene benzene benzene - - - N/A N/A Not Detected Not Detected 12.4-Trichelorobe 12.0-E30-0 view - - - - N/A Not Detected Not Detected 12.4-Trichelorobe 12.0-E30-1 0.200 µgL N/A n.d. N.d. With extraction follower - - N/A Not Detected Not Detected 12.0-E3000 reserver view - - - N/A Not Detected Not Detected 12.0-E3000 reserver view - - - N/A Not Detected Not Detected 12.0-E3000 reserver view - - - N/A Not Detected Not Detected 12.0-E3000 reserver view - - - </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>extraction</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									extraction							
12.4.5-Tetrachter benuzerie 95-94-3 0.200 µgL N/A n.d. N/A N/A N/A N/A N/A Net Detected 12.4.5-Tetrachter benuzerie N/A n.d. n.d. N/A N/A<									by GC/MS							
behnzene beh	1,2,4,5-Tetrachlor	95-94-3	0.200	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-		N/A	Not Detected	Not Detected
1.2.4-Trichlorobe 120-82-1 0.200 µg/L N/A n.d. N/A MA - - - N/A N/A Not Detected 1.2.4-Trichlorobe 120-82-1 0.200 µg/L N/A n.d. N/A With - - - N/A Not Detected 1.2.4-Trichlorobe 1.2.4-Trichlorobe 95-50-1 0.200 µg/L N/A n.d. N/A With - - - N/A Not Detected 1.2.0-thlorobenz 95-50-1 0.200 µg/L N/A n.d. n.d. N/A Public - - N/A Not Detected 1.3.5-Trichlorobenz 96-50-1 0.200 µg/L N/A n.d. N/A N/A - - - N/A Not Detected 1.3.5-Trichlorobenz 96-50-1 0.200 µg/L N/A n.d. N/A N/A - - - N/A N/A Not Detected 1.3.5-Trichlorobe 0.870-8 0.200 µg/L N/A n.d. N/A N/A N/A	obenzene								to USEPA							
1.2.4-Trichloroben zene 12.0-82-1 0.200 µg/L N/A n.d. n.d. N/A enformed in the preference is th									8260B,							
1.2.4-Trichlorobe 12.4-Trichlorobe 0.200 µg/L N/A n.d. N/A With reference is traction is to USEPA. - - N/A N/A Not Detected 1.2.4-Trichlorobe 1.2.4-Trichlorobe 0.200 µg/L N/A n.d. n.d. N/A With reference is to USEPA. - - N/A N/A Not Detected 1.2.5-Trichlorobenz 95-50-1 0.200 µg/L N/A n.d. n.d. N/A With reference is to USEPA. - - - N/A Not Detected 1.3.5-Trichloroben zene 95-50-1 0.200 µg/L N/A n.d. n.d. N/A With reference is to USEPA. - - - N/A Not Detected Not Detected 1.3.5-Trichloroben zene 95-50-1 0.200 µg/L N/A n.d. N/A N/A - - - N/A Not Detected String for the string for the string for to USEPA is to USEPA is to USEPA is to USEPA is to US									8270D or							
1.2.4-Trichlorobe nzene120-82-1 upgl0.200 upglµglLN/An.d.n.d.N/AN/AWith upglN/ANot Detected1.2.4-Trichlorobe nzene1.2.4-Trichlorobe upgl									extraction							
$\begin{array}{ c c c c c } \hline \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $									followed by GC/MS							
1.2.0 1.02.1	1 2 4-Trichlorobe	120-82-1	0.200	ua/L	N/A	n.d.	n.d.	N/A	analysis	-	-	-		N/A	Not Detected	Not Detected
I.2-Dichlorobenz 95-50-1 0.200 µg/L N/A n.d. n.d. N/A Win - - N/A Not Detected nee - - N/A n.d. n.d. N/A Win - - N/A Not Detected nee - - N/A n.d. n.d. N/A Win - - N/A Not Detected nee - - N/A n.d. n.d. N/A Win - - N/A Not Detected nee - - N/A n.d. n.d. N/A Win - - N/A Not Detected nee - - N/A N/A n.d. N/A Win - - N/A Not Detected 1.3.5-Trichloroben 108-70-3 0.200 µg/L N/A n.d. N/A N/A Win - - N/A Not Detected nzene Vi/A N/A n.d. N/A N/A Sigeon - N/A N/	nzene	120 02 1	0.200	P9'-					reference						nor bolloolou	
I.2-Dichlorobenz ene 95-50-1 0.200 µg/L N/A n.d. n.d. N/A With reference to USEPA 8200 or solvent extraction followed by GC/MS - - N/A N/A Not Detected 1.2-Dichlorobenz ene 95-50-1 0.200 µg/L N/A n.d. n.d. N/A With reference to USEPA 8270D or Solvent extraction followed by GC/MS - - N/A Not Detected 1.3.5-Trichlorobe nzene 108-70-3 0.200 µg/L N/A n.d. n.d. N/A With reference to USEPA 8270D or Solvent extraction followed by GC/MS - - N/A Not Detected									to USEPA 8260B,							
Image: series of the series									USEPA 8270D or							
Image: series of the series									Solvent							
I.2-Dichlorobenz ene 95-50-1 0.200 µg/L N/A n.d. n.d. N/A Wth reference by GC/MS - - N/A Not Detected 1.3.5-Trichlorobenz ene 108-70-3 0.200 µg/L N/A n.d. n.d. N/A Wth reference by GC/MS - - N/A Not Detected 1.3.5-Trichlorobe nzene 108-70-3 0.200 µg/L N/A n.d. n.d. N/A Wth reference by GC/MS - - N/A Not Detected 1.3.5-Trichlorobe nzene 108-70-3 0.200 µg/L N/A n.d. n.d. N/A Wth reference by GC/MS - - N/A Not Detected									followed							
1.2-Dichlorobenz ene 95-50-1 0.200 μg/L N/A n.d. n.d. N/A With reference to USEPA 82200B, USEPA - - N/A Not Detected Not Detected 1.3.5-Trichlorobe nzene 108-70-3 0.200 μg/L N/A n.d. n.d. N/A N/A N/A Not Detected Not Detected 1.3.5-Trichlorobe nzene 108-70-3 0.200 μg/L N/A n.d. n.d. N/A With extraction followed by GC/MS - - N/A Not Detected 1.3.5-Trichlorobe nzene 108-70-3 0.200 μg/L N/A n.d. n.d. N/A With extraction reference to USEPA 8270D or Solvent extraction followed - - N/A Not Detected									by GC/MS analysis							
Image: here is a serie of the serie is a serie in the serie is a serie i	1,2-Dichlorobenz ene	95-50-1	0.200	µg/L	N/A	n.d.	n.d.	N/A	With reference	-	-	-		N/A	Not Detected	Not Detected
1,3,5-Trichlorobe nzene 108-70-3 0.200 µg/L N/A n.d. n.d. N/A N/A With N/A Not Detected Not Detected to USEPA 8270D or Solvent extraction followed by GCMS analysis									to USEPA							
Image: serie of the serie o									USEPA							
1,3,5-Trichlorobe 108-70-3 0.200 µg/L N/A n.d. N/A With reference to USEPA 8260B, USEPA 8260B, USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS N/A N/A Not Detected Not Detected Not Detected									8270D or Solvent							
Image: second secon									extraction followed							
108-70-3 0.200 µg/L N/A n.d. n.d. N/A With N/A Not Detected reference to USEPA 8250B, USEPA 8270D or Solvent extraction followed by GC/MS									by GC/MS							
nzene reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS	1,3,5-Trichlorobe	108-70-3	0.200	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-		N/A	Not Detected	Not Detected
8260B, USEPA 8270D or Solvent extraction followed by GC/MS	nzene								to USEPA							
827D or Solvent extraction followed by GC/MS									8260B, USEPA							
solvent extraction followed by GC/MS									8270D or							
followed by GC/MS									extraction							
									followed by GC/MS							

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Image: Sample is in the s	TEST REPORT NO.:				BR220	02107 Rev	r. O		Date: S	ep 27 202	2	F	Page:14 o	f 50		
Image: Simple																
Image: sampling sampl			S	ample ID	001	002	003	004								
Sampling Location \cdot ΓA ΓA ΓA ΔCDA			Date	Sampled	-	07-06-2022	07-06-2022	07-06-2022	2							
Interview of the colspan="4" colsp			Sampling	Location	-	ETA	ETA	Sludge								
Sampling Star Time · 14:56 14:30 13:20 Control (Control (Contro) (Contro) (Control (Control (Control (Contro) (Control (Control			oumping	Looution				Dewaterer								
Intro CAS Mo. Page		s	Sampling S	tart Time	-	14:55	14:00	43!20								
Intra- Integrate Applications Regression Link Regression Problem Probl			Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	IENTS		Fa	ctory Performa	ance
Inform Orison Resource Linit Unit Linit Resource Linit Unit Linit Resource Linit Description Linit Resource Material Resource Material Description Material Resource Material																
Image: Appendix problem Water Wate	Items	CAS No.	Reporting	Unit	Incoming	Raw Waste	Discharged	Mud	Methods	Foundational	Progressive	Aspirati	onal Incom	ing	Raw Waste	Discharged
1.3.Dichemolene non5417510.200µg4NIANIAn.d.NIANIAMin n.d.Min nonMin nonMin nonMin non nonMin non nonMin non nonMin non nonMin non nonMin non non non non non non non non non non non non nonNiANiA Detected non n			Limit		Water	Water	Waste Water			Limit	Limit	Limi	t Wate	ər	Water	Waste Water
1.5.Dickholoskenz inter 541-73-1 0.200 µgL NA n.d. n.d. NA Win enformer to USEPA BZ70 or Solvert - - NA Nd Detected Not De																
1.4-Dichorobenz ne 106-467 0.200 µg/L NA n.d. n.d. NA With references to soother to soother soother to soother to	1,3-Dichlorobenz ene	541-73-1	0.200	µg/L	N/A	n.d.	n.d.	N/A	With reference	-	-	-	N/A	1	Not Detected	Not Detected
1.4-Dichlosobarz ene 106-6-7 0.200 µgl. N/A n.d. n.d. N/A N/A N/A N/A N/D Detected 1.4-Dichlosobarz ene 106-6-7 0.200 µgl. N/A n.d. n.d. N/A N/A <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>to USEPA</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									to USEPA							
1.4-Dichlorobenz enterteinen enterteinen 105-46-7 0.200 µg/L N/A n.d. n.d. N/A									USEPA							
Ide-Dehardenene 106-46-7 0.200 µg/L N/A n.d. N/A With No. - - N/A N/A N/A 1.d.Dehardenene 106-46-7 0.200 µg/L N/A n.d. N.A N/A N/M - - N/A N/A N/A enne 106-46-7 0.200 µg/L N/A n.d. N.A N/A N/M - - N/A N/A N/A N/A 2.3.4.5 2000 2000 µg/L N/A n.d. n.d. N/A N/A - - N/A N/A Not Detected 2.3.4.6 2000 1									Solvent							
1.4-Dichlorobert en106-46-70.200 $\mugl.$ N/An.d.n.d.N/AN/A $\frac{With}{reference}$ to USEPA B2700 orN/AN.d.Not Detected2.3.4.5 Terractionotoluen e00.200 $\mugl.$ N/An.d.n.d.N/AN/AN/AN/ANot Detected2.3.4.6 Terractionotoluen e00.200 $\mugl.$ N/An.d.n.d.N/AN/AN/AN/ANot Detected2.3.4.6 Terractionotoluen e00.200 $\mugl.$ N/An.d.n.d.N/AN/AN/AN/ANot Detected2.3.4.6 Terractionotoluen e00000000N/ANot Detected2.3.4.6 Terractionotoluen e000000000002.3.4.6 Terractionotoluen e0000000000002.3.4.6 Terractionotoluen e00									extraction followed							
1.4-Dichlorobenz 106-46-7 0.200 µg/L N/A n.d. N/A Write bulker - - - N/A Not Detected Not Detected 2.3.4,5 2.3.4,5 78057-12- 0.200 µg/L N/A n.d. n.d. N/A N/A Not Detected Not Detected Not Detected 0 0 0 Q200 µg/L N/A n.d. n.d. N/A N/A Not Detected Not Detected 2.3.4,5 78057-12- 0.200 µg/L N/A n.d. n.d. N/A N/A N/A Not Detected Not Detecte									by GC/MS							
ene ene ene 2.3.4.5 2.3.4.5 e 2.3.4.5 Tetrachorotoluen e 2.3.4.6 Tetrachorotoluen e 2.3.6 Tetrachorotoluen e 2.3.6 Tetrachorotoluen e 2.3.6 Tetrachorotoluen e 2.3.6 Tetrachorotoluen e 2.3.6 Tetrachorotoluen e 2.3.6 Tetrachorotoluen e 2.3.6 Tetrachorotoluen e 2.3.6 Tetrachorotoluen e 2.3.6 Tetrachorotoluen e 2.3.6 Tetrachorotoluen e 2.3.6 Tetrachorotoluen e 2.3.6 Tetrachorotoluen e 2.3.6 Tetrachorotoluen e E E E E E E E E E E E E E	1,4-Dichlorobenz	106-46-7	0.200	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-	N/A	4	Not Detected	Not Detected
2.3.4.5 76057-12 0.200 µg/L N/A n.d. N/A With effective in the stration of the strategies in	ene								to USEPA							
2.3.4.6 e POD57-12 0 0.200 µg/L µg/L N/A n.d. n.d. N/A MA - - N/A Not Detected reference e 0 0.200 µg/L N/A n.d. n.d. N/A - - N/A Not Detected 2.3.4.6 0 0 0.200 µg/L N/A n.d. n.d. N/A - - N/A Not Detected 2.3.4.6 6 0 0.200 µg/L N/A n.d. n.d. N/A - - N/A Not Detected Tetrachiorobulen e 75540-1 0.200 µg/L N/A n.d. n.d. N/A - - - N/A Not Detected 2.3.4.6 5540-1 0.200 µg/L N/A n.d. n.d. N/A Pference 10 USEPA - - N/A Not Detected retrachiorobulen e - - - N/A Not Detected Not Detected Not Detected retrachiorobulen e - - - - N/A Not Detected Not Detected retrachiorobulen e - - - - - N/A Not Detected </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8260B, USEPA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									8260B, USEPA							
2.3.4.5 78057-12 0.200 µg/L N/A n.d. N/A With estimation billowing b									8270D or							
Image: series of the series									extraction							
$ \begin{array}{ c c c c c } \hline \hline \\ $									followed by GC/MS							
Tetrachlorotoluen e 2.3.4.6 Tetrachlorotoluen e 2.3.4.6 Tetrachlorotoluen e 2.3.4.6 Tetrachlorotoluen e 2.3.4.6 Tetrachlorotoluen e 2.3.4.6 Tetrachlorotoluen e 2.3.4.6 Tetrachlorotoluen e 2.3.4.6 Tetrachlorotoluen e 2.3.4.6 Tetrachlorotoluen e 2.3.4.6 Tetrachlorotoluen e 2.3.4.6 Tetrachlorotoluen e 2.3.4.6 Tetrachlorotoluen e 2.3.4.6 Tetrachlorotoluen e 2.3.4 Tetrachlorotoluen e	2.3.4.5	76057-12-	0.200	µg/L	N/A	n.d.	n.d.	N/A	analysis With	-	-	-	N/A	4	Not Detected	Not Detected
e builden beilden builden beilden builden beilden builden beilden builden beilden builden beilden beil	Tetrachlorotoluen	0							reference							
2.3.4.6 875-40-1 0.200 µg/L N/A n.d. n.d. N/A With N/A N/A Not Detected Letrachorotoluen e 875-40-1 0.200 µg/L N/A n.d. n.d. N/A With N/A N/A Not Detected Letrachorotoluen e Not Detected N/A N/A N/A With N/A N/A Not Detected 2.3.4.6 Reference Not Detected Not Detected Not Detected Not Detected e N/A N/A N/A N/A N/A N/A N/A 2.3.4.6 Reference N/A N/A N/A N/A N/A N/A 2.3.4 N/A N/A n.d. N/A N/A N/A N/A N/A N/A 2.3.4 Tichlorotoluene N/A	e								8260B,							
analysisSolvent extraction followed by GC/MSSolvent extraction followed by GC/MSSolvent eSolvent									USEPA 8270D or							
Image: series of the series									Solvent							
2.3.4.6 Tetrachlorotoluen e 2.3.4.6 Tetrachlorotoluen e 2.3.4.6 Tetrachlorotoluen e 2.3.4.6 Tetrachlorotoluen e 2.3.4 Tetrachlorotoluen e 2.3.4 Trichlorotoluene 1.359-72-0 1.359-72									followed							
2,3,4 8/5-40-1 0.200 µg/L N/A n.d. n.d. N/A With N/A Not Detected Not Detected reference to USEPA 82200B, USEPA 8270D or Solvent extraction followed by GC/MS A 1359-72-0 0.200 µg/L N/A n.d. n.d. N/A N/A N/A With N/A Not Detected Not Detected volume analysis N/A Not Detected Not Detected by GC/MS N/A Not Detected Not Detected by GC/MS N/A Not Detected Not Detected Not Detected by GC/MS N/A Not Detected Not Detected Not Detected Not Detected Not Detected Not Detected reference to USEPA 82200B, USEPA 8270D or Solvent extraction followed by GC/MS N/A Not Detected		075 40 4	0.000						analysis							
e he	2,3,4,6 Tetrachlorotoluen	875-40-1	0.200	µg/L	N/A	n.d.	n.d.	N/A	With reference	-	-	-	N/A	4	Not Detected	Not Detected
2,3,4 Trichlorotoluene 7359-72-0 0.200 µg/L N/A n.d. n.d. N/A N/A With N/A Not Detected Not Detected Trichlorotoluene V GC/MS Not Detected S200 r Solvent extraction followed by GC/MS	е								to USEPA 8260B							
2.3.4 Trichlorotoluene 7359-72-0 0.200 µg/L N/A n.d. n.d. N/A N/A With N/A Not Detected Not Detected to USEPA 8260B, USEPA 8260B, USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS									USEPA							
2,3,4 Trichlorotoluene 739-72-0 0.200 µg/L N/A n.d. n.d. N/A N/A With N/A Not Detected Not Detected Trichlorotoluene V V V V V V V V V V V V V V V V V V									Solvent							
Image: state in the state i									extraction followed							
2,3,4 7359-72-0 0.200 µg/L N/A n.d. n.d. N/A With N/A Not Detected reference to USEPA 8260B, USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS									by GC/MS							
Inchiorotoluene reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS	2,3,4	7359-72-0	0.200	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-	N/A	1	Not Detected	Not Detected
8260B, USEPA 8270D or Solvent extraction followed by GC/MS	Irichlorotoluene								to USEPA							
8270D or Solvent extraction followed by GC/MS									8260B, USEPA							
extraction followed by GC/MS									8270D or							
followed by GC/MS									extraction							
									tollowed by GC/MS							

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained as a confirmed on proposal. This document cannot be reproduced except in full, without prior written approval of the Company.





Image: Sample ID 001 002 003 0642 07.64.2023 07.64.2023 07.64.2023 07.64.2023 07.64.2023 07.64.2023 07.64.2023 07.64.2023 07.64.2024 07.64.2	TEST REPORT NO.:				BR220	2107 Rev	r. O		Date: S	ep 27 2022	2		Page	:15 of 50)	
Image: Second																
Image: Simple state in the sample state in			s	ample ID	001	002	003	004								
Sampling Location Integration ETA ETA Integration Integration <th< th=""><th></th><th></th><th>Date</th><th>Sampled</th><th>-</th><th>07-06-2022</th><th>07-06-2022</th><th>07-06-2022</th><th>2</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<>			Date	Sampled	-	07-06-2022	07-06-2022	07-06-2022	2							
Image: symple sector in a constraint of the symple sym			Sampling	Location	-	ETA	ETA	Sludge								
Sampling Start Time · 14.55 14.50 19.20 19.20 19.20 2000			oumping	Location				Dewaterer (ETA)								
Image: Second		S	ampling S	tart Time	-	14:55	14:00	43!20								
Inters Disk Res Max Disk Disk <thdisk< th=""> Disk Disk</thdisk<>		:	Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS		Fa	actory Performa	ance
Norse CAS No. Reporting Unit Unit Incoming Mode Rev Wate Mode Mode Mode Mode Foundational Unit Propressive Lumit Applicational Lumit Incoming Mode Rev Wate Mode Discharged Mode 2.5.5. Interstore 2.973-70 2.200 µgL NA n.d. n.d. MA Min Incoming Mode NA																
Limit Limit Limit Limit Limit Limit Limit Limit Limit Maier Water Water <th< th=""><th>Items</th><th>CAS No.</th><th>Reporting</th><th>Unit</th><th>Incoming</th><th>Raw Waste</th><th>Discharged</th><th>Mud</th><th>Methods</th><th>Foundational</th><th>Progressive</th><th>Aspirat</th><th>ional</th><th>Incoming</th><th>Raw Waste</th><th>Discharged</th></th<>	Items	CAS No.	Reporting	Unit	Incoming	Raw Waste	Discharged	Mud	Methods	Foundational	Progressive	Aspirat	ional	Incoming	Raw Waste	Discharged
2.5.5 Tetraduction a 2.5.5 Tetraduction a 2.5.7 Solution a 0.200ugh ugh NAn.d.n.d.NANAMu $ughughNANa DelectedughNa Delecte$			Limit		Water	Water	Waste Water			Limit	Limit	Lim	it	Water	Water	Waste Water
23.5.6 n 2073-70 5 2.20 5 pg/L s N/A n.d. n.d. n.d. n.d. N/A Win s - - N/A N/A Not Detected Not Detected builden Scherent entraction 2.3.5-Trichlorotola s 2077-46-5 0.200 µg/L N/A n.d. n.d. N/A Win scherent entraction - - N/A N/A Not Detected builden builde																
a constraint and a set of the USEPA set	2,3,5,6 Tetrachlorotoluen	29733-70-	0.200	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-		N/A	Not Detected	Not Detected
2.3.6-Trichlootol2077-46-50.200µg/LN/An.d.n.d.N/AN	e	, C							to USEPA							
2.3-Trichloroble 2277-46-5 0.200 µgl. N/A n.d. n.d. N/A With - - N/A Not Detected 2.3-Gritchloroble 2077-46-5 0.200 µgl. N/A n.d. n.d. N/A With - - N/A Not Detected Not Detected 2.3-Dichtorobule 2276-54- 0.200 µgl. N/A n.d. n.d. N/A With - - N/A Not Detected 2.3-Dichtorobule 2276-54- 0.200 µgl. N/A n.d. n.d. N/A With - - N/A Not Detected Not Detected 2.4.6-Trichlorobil 0 90 0.200 µgl. N/A n.d. n.d. N/A With - - N/A Not Detected 2.4.6-Trichlorobil 6639-30-1 0.200 µgl. N/A n.d. n.d. N/A With - - - N/A Not Detected vinne 0 93-30-1 0.200 µgl. N/A n.d. n.d. N/A With - - - N/A Not Detected vinne 0.207 Vinthetee 0.200 µgl.<									USEPA							
2.3.6-Trichlorotol 2077-46-5 0.200 µgL NA n.d. N.d. NA N.d. NA N.d. NA N.d. N.									Solvent							
2.3.6-Trichlorotol uene 2077-46-5 0.200 µgL NA n.d. n.d. NA NA NA NA Not Detected									extraction followed							
2.3.6 Trichlorotol 2077-46-5 0.200 µg/L N/A n.d. N/A N/A N/A N/A N/A N/A Not Detected 2.3.6 Trichlorotolu 32768-54- 0.200 µg/L N/A n.d. N/A N/A <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>by GC/MS</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									by GC/MS							
uene la	2,3,6-Trichlorotol	2077-46-5	0.200	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-		N/A	Not Detected	Not Detected
Label La	uene								to USEPA							
2.3-Dichlorotolu ne2.768-54 00.200 ug/Lµg/LN/An.d.n.d.N/AMA Preference reference bulker ne-N/AN/ANot Detected reference re									8260B, USEPA							
2.3-Dichlorotolue 32768-54- 0 0.200 µg/L N/A n.d. N/A With estitaction by GCMS - - N/A N/A Not Detected 2.3-Dichlorotolue 0 - - N/A N/A <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>8270D or</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									8270D or							
2.3-Dichlorotolue ne2768-54- 00.200 upgLµgLN/An.d.n.d.N/AN/AN/AN/AN/ANot Detected2.4.5-Trichlorotol uene6639-30-1 T0.200 PµgLN/An.d.n.d.n.d.N/AN/AN/ANot Detected2.4.5-Trichlorotol uene6639-30-1 T0.200 PµgLN/An.d.n.d.n.d.N/AN/ANot Detected2.4.5-Trichlorotol uene6639-30-1 T0.200 PµgLN/An.d.n.d.N/AN/AN/ANot Detected2.4.5-Trichlorotol uene6639-30-1 P0.200 PµgLN/An.d.n.d.N/AN/AN/ANot Detected2.4.5-Trichlorotol uene6639-30-1 P0.200 PµgLN/An.d.n.d.N/AN/AN/ANot Detected2.4.5-Trichlorotol uene6639-30-1 P0.200 PµgLN/An.d.n.d.N/AN/AN/ANot Detected2.4.5-Trichlorotol uene23749-65 P0.200 PµgLN/An.d.n.d.N/AN/AN/ANot Detected2.4.5-Trichlorotol uene23749-65 P0.200 PµgLN/An.d.n.d.N/AN/AN/AN/ANot Detected2.4.5-Trichlorotol uene23749-65 P0.200 PµgLN/An.d.n.d.N/AN/AN/AN/AN/A2.4.5-Trichlorotol <br< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>extraction</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></br<>									extraction							
2.3-Dichlorotolue 32768-54- 0 0.200 µg/L N/A n.d. N/A N/A With to USEPA 82008, USEPA 82009 N/A									followed by GC/MS							
International integration Integration <thinte< td=""><td>2.3-Dichlorotolue</td><td>32768-54-</td><td>0.200</td><td>ua/L</td><td>N/A</td><td>n.d.</td><td>n.d.</td><td>N/A</td><td>analysis With</td><td>-</td><td>-</td><td>-</td><td></td><td>N/A</td><td>Not Detected</td><td>Not Detected</td></thinte<>	2.3-Dichlorotolue	32768-54-	0.200	ua/L	N/A	n.d.	n.d.	N/A	analysis With	-	-	-		N/A	Not Detected	Not Detected
2.4.5-Trichlorotol 0.200 µg/L N/A n.d. n.d. N/A with reference to USEPA B2270 or Solvent extraction followed by GCMS analysis 2.4.5-Trichlorotol 0639-30-1 0.200 µg/L N/A n.d. n.d. N/A with reference to USEPA B2270 or Solvent extraction followed by GCMS analysis - - N/A Not Detected Not Detected Lene 0.200 µg/L N/A n.d. n.d. N/A with reference to USEPA B2270 or Solvent extraction followed by GCMS analysis - - N/A Not Detected Not Detected 2.4.6-Trichlorotol 23749-65- 0.200 µg/L N/A n.d. n.d. N/A - - - N/A Not Detected uene 7 Vig/L N/A n.d. n.d. N/A With - - - N/A Not Detected Not Detected Not Detected Not Detected Solvent extraction followed by GCMS - - N/A Not Detected Not Detected Not Detected Solvent extraction followed by GCMS - - N/A Not Detected Solvent extraction followed by GCMS -<	ne	0		-5-					reference							
2.4.5-Trichlorotol uene6639-30-1 R0.200 Pg/Lµg/LN/An.d.n.d.N/AWith Reference to USEPA 8260B, USEPA 8260B, USEPA 8260B, USEPA 8260B, USEPA 8260B, USEPA 8260B, USEPA 8260B, USEPA 8260B, USEPA 8260B, USEPA 8260B, USEPA 8260B, USEPA 8260B, USEPA 8260B, USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS0.200 Public Public PublicN/ANot DetectedNot Detected2.4.6-Trichlorotol uene0.200 Publicµg/LN/An.d.n.d.N/AWith Public Public Public-N/ANot Detected2.4.6-Trichlorotol uene23749-65 R0.200 Publicµg/LN/An.d.n.d.N/AWith Public Public Public Public Public Public-N/ANot Detected2.4.6-Trichlorotol uene23749-65 R0.200 Publicµg/LN/An.d.n.d.N/AWith Public Public Public Public Public Public Public PublicN/AN/AN/A2.4.6-Trichlorotol uene23749-65 R0.200 Public Public Public Public Public Publicn.d.n.d.N/AWith Public Public Public Public 									8260B,							
Image: series of the series									USEPA 8270D or							
Label La									Solvent							
2.4,5-Trichlorotol uene0.200µg/LN/An.d.n.d.N/AWith reference to USEPA 8200B, USEPA by GC/MSN/ANot Detected2.4,6-Trichlorotol 									followed							
2.4.5-Trichlorotol uene 4.4.5-Trichlorotol uene 2.4.6-Trichlorotol uene 2.4.6.7.6.7.6.7.6.7.7.6.7.7.6.7.7.6.7									analysis							
LineLi	2,4,5-Trichlorotol uene	6639-30-1	0.200	µg/L	N/A	n.d.	n.d.	N/A	With reference	-	-	-		N/A	Not Detected	Not Detected
2,4,6-Trichlorotol 23749-65- 0.200 µg/L N/A n.d. N/A With reference to USEPA 8270D or Solvent - N/A Not Detected Not Detected Not Detected uene 7 1 1 N/A n.d. N/A With reference to USEPA 8270D or Solvent - N/A Not Detected Not Detected Not Detected USEPA 8270D or Solvent 8270D or Solvent - - N/A Not Detected Not Detected Not Detected USEPA 8270D or Solvent - - - N/A Not Detected Not Detected VBEPA 8270D or Solvent - - - - N/A Not Detected VBEPA 8270D or Solvent - - - - - N/A - VBEPA 8270D or Solvent - <									to USEPA							
2,4,6-Trichlorotol 23749-65- uene 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									USEPA							
2.4.6-Trichlorotol 23749-65- uene 7 X V V V V V V V V V V V V V V V V V V									8270D or Solvent							
Image: state in the state i									extraction followed							
2,4,6-Trichlorotol 23749-65- 0.200 µg/L N/A n.d. n.d. N/A With N/A Not Detected Not Detected usere to USEPA 8260B, USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS									by GC/MS							
uene / reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS	2,4,6-Trichlorotol	23749-65-	0.200	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-		N/A	Not Detected	Not Detected
8260B, USEPA 8270D or Solvent extraction followed by GC/MS	uene	7							to USEPA							
8270D or Solvent extraction followed by GC/MS									8260B, USEPA							
Solvent extraction followed by GC/MS									8270D or							
followed by GC/MS									extraction							
									followed by GC/MS							

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TEST REPORT NO.:				BR220	02107 Rev	r. O		Date: S	ep 27 202:	2	F	age:16 of 5	0	
		s	ample ID	001	002	003	004							
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-2022	2						
		Sampling	Location	-	ETA	ETA	Sludge							
		oumping	Looution				Dewaterer							
	S	Sampling S	tart Time	-	14:55	14:00	43!20							
		Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS	F	actory Perform	ance
Items	CAS No.	Reporting	Unit	Incoming	Raw Waste	Discharged	Mud	Methods	Foundational	Progressive	Aspiratio	nal Incoming	Raw Waste	Discharged
		Limit		Water	Water	Waste Water			Limit	Limit	Limit	Water	Water	Waste Water
	05 70 0	0.000		N1/A			N1/A					N/A	Not Data start	Net Detected
2,4-Dichlorotolue ne	95-73-8	0.200	µg/L	N/A	n.d.	n.d.	N/A	With reference	-	-	-	N/A	Not Detected	Not Detected
								to USEPA 8260B,						
								USEPA 8270D or						
								Solvent						
								followed						
								by GC/MS analysis						
2,5-Dichlorotolue	19398-61- 9	0.200	µg/L	N/A	n.d.	n.d.	N/A	With reference	-	-	-	N/A	Not Detected	Not Detected
								to USEPA						
								USEPA						
								8270D or Solvent						
								extraction followed						
								by GC/MS						
2,6-Dichlorotolue	118-69-4	0.200	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-	N/A	Not Detected	Not Detected
ne								reference to USEPA						
								8260B,						
								8270D or						
								Solvent extraction						
								followed						
2 Chlorotoluono	05.40.9	0.200		NI/A	nd	nd	NI/A	analysis				NI/A	Not Dotostod	Not Dotoctod
2-Chilorotoldene	90-49-0	0.200	µy/∟	N/A	n.u.	n.u.	N/A	reference	-	-	-	N/A	Not Detected	Not Delected
								to USEPA 8260B,						
								USEPA 8270D or						
								Solvent						
								followed						
								by GC/MS analysis						
3,4,5 Trichlorotoluono	21472-86-	0.200	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-	N/A	Not Detected	Not Detected
meniorololuene	0							to USEPA						
								8260B, USEPA						
								8270D or Solvent						
								extraction						
								by GC/MS						

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TEST REPORT NO.:				BR220)2107 Rev	r. O		Date: S	ep 27 202:	2	F	Page:17 of	50	
		s	ample ID	001	002	003	004							
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-2022	2						
		Sampling	Location	-	ETA	ETA	Sludge							
							Dewaterer (FTA)							
	S	Sampling S	tart Time	-	14:55	14:00	43:20							
		Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS		Factory Perform	ance
Items	CAS No.	Reporting	Unit	Incoming	Raw Waste	Discharged	Mud	Methods	Foundational	Progressive	Aspiratio	onal Incoming	Raw Waste	Discharged
		Limit		Water	Water	Waste Water			Limit	Limit	Limi	t Water	Water	Waste Water
3,4-Dichlorotolue	95-75-0	0.200	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-	N/A	Not Detected	Not Detected
ne								to USEPA						
								8260B, USEPA						
								8270D or Solvent						
								extraction						
								by GC/MS						
3,5-Dichlorotolue	25186-47-	0.200	µg/L	N/A	n.d.	n.d.	N/A	analysis With	-	-	-	N/A	Not Detected	Not Detected
ne	4							reference						
								8260B,						
								8270D or						
								Solvent						
								followed						
								analysis						
3-Chlorotoluene	108-41-8	0.200	µg/L	N/A	n.d.	n.d.	N/A	With reference	-	-	-	N/A	Not Detected	Not Detected
								to USEPA						
								USEPA						
								Solvent						
								extraction followed						
								by GC/MS						
4-Chlorotoluene	106-43-4	0.200	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-	N/A	Not Detected	Not Detected
								to USEPA						
								8260B, USEPA						
								8270D or						
								extraction						
								by GC/MS						
Hexachlorobenze	118-74-1	0.200	µg/L	N/A	n.d.	n.d.	N/A	analysis With	-	-	-	N/A	Not Detected	Not Detected
ne								reference						
								8260B,						
								USEPA 8270D or						
								Solvent						
								followed						
								by GC/IVIS						

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TEST REP	ORT NO	D.:		BR220)2107 Rev	/. 0		Date: S	ep 27 2022	2	Pa	ge:18 of 5	D	
		s	ample ID	001	002	003	004							
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-2022	2						
		Sampling	Location	-	ETA	ETA	Sludge Dewaterer							
	s	ampling S	tart Time	-	14:55	14:00	(572)							
	:	Sampling I	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREMI	ENTS	F	actory Perform	ance
1	OAO NI-		11-3				Mad	Madhada						
ltems	CAS NO.	Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspirational Limit	Incoming Water	Raw Waste Water	Discharged Waste Water
Monochlorobenze nes	108-90-7	0.200	µg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	-	-	-	N/A	Not Detected	Not Detected
Pentachlorobenz ene	608-93-5	0.200	µg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS	-	-	-	N/A	Not Detected	Not Detected
Pentachlorotolue ne	877-11-2	0.200	μg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 8260B, USEPA 8270D or Solvent extraction followed by GC/MS analysis	-	-	-	N/A	Not Detected	Not Detected
Chloro- Phen	ols													
2,3,4,5-Tetrachlor ophenol	4901-51-3	0.500	µg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 8270D, ISO 14154 or solvent extraction and derivatizati on with KOH, acetic anhydride followed by GC/MS analysis.	-	-	-	N/A	Not Detected	Not Detected

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TEST REPORT NO.:				BR220)2107 Rev	v. 0		Date: S	ep 27 2022	2		Page	:19 of 50)	
		S	ample ID	001	002	003	004								
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-202	2							
		Sampling	Location	-	ETA	ETA	Sludge								
	5	Sampling St	tart Time	-	14:55	14:00	(FTA)								
		Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS		Fa	actory Performa	ince
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspirat Lim	ional nit	Incoming Water	Raw Waste Water	Discharged Waste Water
2,3,4,6-Tetrachlor ophenol 2,3,4-Trichloroph enol	58-90-2 58-90-2 15950-66- 0	0.500	µg/L	N/A N/A	n.d.	n.d.	N/A N/A	With reference to USEPA 8270D, ISO 14154 or solvent extraction and derivatizati on with KOH, acetic anhydride followed by GC/MS analysis. With reference to USEPA 8270D, ISO 14154 or solvent extraction and derivatizati on with KOH, acetic anhydride followed	- -	- -	-		N/A N/A	Not Detected	Not Detected
2,3,5,6-Tetrachlor ophenol	935-95-5	0.500	µg/L	N/A	n.d.	n.d.	N/A	analysis. With reference to USEPA 8270D, ISO 14154 or solvent extraction and derivatizati on with KOH, acetic anhydride followed by GC/MS analysis.	-	-	-		N/A	Not Detected	Not Detected

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TEST REPORT NO.:				BR220)2107 Rev	/. 0		Date: S	ep 27 202:	2		Page	e:20 of 50)	
		S	ample ID	001	002	003	004								
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-202	2							
		Sampling	Location	-	ETA	ETA	Sludge								
	s	ampling S	tart Time	-	14:55	14:00	(FTA)								
	:	Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS		Fa	actory Performa	ance
Items	CAS No.	Reporting	Unit	Incoming	Raw Waste	Discharged	Mud	Methods	Foundational	Progressive	Aspirat	tional	Incoming	Raw Waste	Discharged
		Limit		Water	Water	Waste Water			Limit	Limit	Lin	nit	Water	Water	Waste Water
2,3,5-Trichloroph enol 2,3,6-Trichloroph enol	933-78-8 933-78-8 933-75-5	0.500	µg/L	N/A N/A	n.d.	n.d.	N/A N/A	With reference to USEPA 8270D, ISO 14154 or solvent extraction and derivatizati on with KOH, acetic anhydride followed by GC/MS analysis. With reference to USEPA 8270D, 8270D,	- -	-	-		N/A N/A	Not Detected	Not Detected
2.2 ditkombor	E76 24 0	0.500		N/A	- ad	pd	N/A	ISO 14154 or solvent extraction and derivatizati on with KOH, acetic anhydride followed by GC/MS analysis.					N/A	Not Detected	Not Detected
ol	ophen 576-24-9 0.500 μg/L		hâlr	N/A		nd.		viui reference to USEPA 8270D, ISO 14154 or solvent extraction and derivatizati on with KOH, acetic anhydride followed by GC/MS analysis.					NA		No. Delbudu

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TEST REPORT NO.:				BR220)2107 Rev	v. O		Date: S	ep 27 202:	2		Page	e:21 of 50)	
		S	ample ID	001	002	003	004								
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-202	2							
		Compliant			ETA	ETA	Ohudaa								
		Sampling	Location	-	EIA	EIA	Dewaterer	r							
	5	Sampling St	tart Time	-	14:55	14:00	63:20								
		Sampling E	Ind Time	-	15:20	14:50	13:30		ZDH	C REQUIREMI	ENTS		Fa	actory Performa	ance
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspirat Lin	ional nit	Incoming Water	Raw Waste Water	Discharged Waste Water
2 4 5-Trichloroph	95-95-4	0.500	ug/L	N/A	n.d.	n.d.	N/A	With	-		-		N/A	Not Detected	Not Detected
enol			15					reference							
								8270D,							
								or solvent							
								and							
								derivatizati on with							
								KOH, acetic							
								anhydride							
								by GC/MS							
2,4,6-Trichloroph	88-06-2	0.500	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-		N/A	Not Detected	Not Detected
enol								to USEPA							
								8270D, ISO 14154							
								or solvent							
								and							
								on with							
								KOH, acetic							
								anhydride followed							
								by GC/MS analysis							
2,4-dichlorophen	120-83-2	0.500	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-		N/A	Not Detected	Not Detected
01								to USEPA							
								8270D, ISO 14154							
								or solvent extraction							
								and							
								on with							
								KOH, acetic							
							anhydride followed								
								by GC/MS analysis							

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TEST REP	D.:		BR220	2107 Rev	/. 0		Date: S	ep 27 2022	2		Page	e:22 of 50)		
		S	ample ID	001	002	003	004								
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-202	2							
		Sampling	Location	-	ETA	ETA	Sludge								
	s	ampling St	tart Time	-	14:55	14:00	Dewatere (F3:20	r							
	:	Sampling E	Ind Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS		Fa	actory Performa	ince
items	CAS NO.	583-78-8 0.500 μg		Incoming Water	Raw Waste Water	Discharged Waste Water	Mua	Methods	Foundational Limit	Progressive Limit	Aspira Lin	tional nit	Incoming Water	Raw Waste Water	Discharged Waste Water
2,5-dichlorophen ol	583-78-8	0.500	µg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 8270D, ISO 14154 or solvent extraction and	-	-			N/A	Not Detected	Not Detected
								on with KOH, acetic anhydride followed by GC/MS analysis.							
2,6-dichlorophen ol	87-65-0	0.500	µg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 8270D, ISO 14154 or solvent extraction and derivatizati on with KOH, acetic anhydride followed by GC/MS	-	-	-		N/A	Not Detected	Not Detected
2-chlorophenol	95-57-8	0.500	µg/L	N/A	n.d.	n.d.	N/A	analysis. With reference to USEPA 8270D, ISO 14154 or solvent extraction and derivatizati on with KOH, acetic anhydride followed by GC/MS analysis.	-	-	-		N/A	Not Detected	Not Detected

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TEST REPORT NO.:			BR220	02107 Rev	<i>ı</i> . 0		Date: S	ep 27 2022	2	Pa	ige:23 of 50)		
		s	ample ID	001	002	003	004							
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-202	2						
		Sampling	Location	_	FTA	FTΔ	Sludgo							
		Sampling	Location		Ent	200	Dewatere	r						
	S	Sampling S	tart Time	-	14:55	14:00	43!20							
	-	Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS	F	actory Perform	ance
Items	CAS No.	CAS NO. Reputing Limit Cin 609-19-8 0.500 μg/		Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspirationa Limit	al Incoming Water	Raw Waste Water	Discharged Waste Water
3,4,5-Trichloroph enol	609-19-8	0.500	µg/L	N/A	n.d.	n.d.	N/A	With reference	-	-	-	N/A	Not Detected	Not Detected
		i09-19-8 0.500 μg/L						to USEPA 8270D,						
		609-19-8 0.500 µg/L						ISO 14154 or solvent						
								extraction						
								derivatizati						
								on with KOH,						
								acetic anhydride						
								followed						
3.4-dichlorophen	95-77-2	0.500	ua/l	N/A	nd	nd	N/A	analysis.	-		-	Ν/Δ	Not Detected	Not Detected
ol	001112	0.000	P9/2	N// C	1.4.	n.u.	1.07	reference					Not Deteoled	Hor Deletied
								8270D,						
								ISO 14154 or solvent						
								extraction and						
								derivatizati						
								KOH,						
								anhydride						
								followed by GC/MS						
3,5-dichlorophen	591-35-5	0.500	µg/L	N/A	n.d.	n.d.	N/A	analysis. With	-	-	-	N/A	Not Detected	Not Detected
ol								reference to USEPA						
								8270D,						
								or solvent						
								extraction and						
								derivatizati on with						
								KOH,						
								anhydride						
								by GC/MS						
								analysis.						

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TEST REP	ORT NO	D.:		BR220	02107 Rev	/. 0		Date: S	ep 27 2022	2	Pag	je:24 of 50)	
		S	ample ID	001	002	003	004							
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-202	2						
		Sampling	Location	_	FTA	FTΔ	Sludgo							
		Sampling	Location		207	200	Dewaterei	r						
	5	Sampling St	tart Time	-	14:55	14:00	(5:20							
		Sampling E	Ind Time	-	15:20	14:50	13:30		ZDH	C REQUIREMI	ENTS	F	actory Perform	ance
Items	CAS No. Reporting Ur. Limit 108-43-0 0.500 µg.			Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspirational Limit	Incoming Water	Raw Waste Water	Discharged Waste Water
3-chlorophenol	108-43-0	0.500	µg/L	N/A N/A	n.d.	n.d.	N/A N/A	With reference to USEPA 8270D, ISO 14154 or solvent extraction and derivatizati on with KOH, acetic anhydride followed by GC/MS analysis. With reference to USEPA 8270D, ISO 14154 or solvent extraction and derivatizati on with, KOH, acetic anhydride followed	- -		-	N/A	Not Detected	Not Detected
Pentachlorophen ols (PCP)	87-86-5 0.500 µg/L			N/A	n.d.	n.d.	N/A	by GC/MS analysis. With reference to USEPA 8270D, ISO 14154 or solvent extraction and derivatizati on with KOH, acetic anhydride followed by GC/MS	-	-		N/A	Not Detected	Not Detected

Banned Amines (Associated with Azo dyes)

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TEST REP	ORT NO	D.:		BR220)2107 Rev	/. 0		Date: S	ep 27 2022	2	Pa	ge:25 of 50)	
		S Date	ample ID Sampled	001	002 07-06-2022	003 07-06-2022	004 07-06-2022	2						
		Sampling	Location	-	ETA	ETA	Sludge Dewaterer (ĘŢĄ)							
		Sampling S	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS	F	actory Performa	ance
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspirationa Limit	I Incoming Water	Raw Waste Water	Discharged Waste Water
2,4,5-trimethylanil ine	137-17-7	0.100	µg/L	N/A	n.d.	n.d.	N/A	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC	- -	- -	-	N/A	Not Detected	Not Detected
2,4-Xylidine	95-68-1	0.100	µg/L	N/A	n.d.	n.d.	N/A	analysis. With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC	-	-	-	N/A	Not Detected	Not Detected
2,6-Xylidine	87-62-7	0.100	µg/L	N/A	n.d.	n.d.	N/A	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC	-	-	-	N/A	Not Detected	Not Detected
2-naphthylamine	lamine 91-59-8 0.100 μg/L		µg/L	N/A	n.d.	n.d.	N/A	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC	-	-	-	N/A	Not Detected	Not Detected

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TEST REP	TEST REPORT NO.: Sample			BR220	02107 Rev	<i>ı</i> . 0		Date: S	ep 27 202:	2	Р	age:26 of 50	0	
		s	ample ID	001	002	003	004							
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-2022	2						
	g	Sampling	Location	-	ETA 14:55	ETA 14:00	Sludge Dewaterer (ETA)							
		Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS	F	actory Perform	ance
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspiration Limit	nal Incoming Water	Raw Waste Water	Discharged Waste Water
3.3'-dimethoxybe nzidine	119-90-4	0.100	µg/L	N/A	n.d.	n.d.	N/A	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC		-	-	N/A	Not Detected	Not Detected
3,3'-dimethylbenz idine	119-93-7	0.100	µg/L	N/A	n.d.	n.d.	N/A	analysis. With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC	-	-	-	N/A	Not Detected	Not Detected
3,3'-dichlorobenzi dine	91-94-1	0.100	μg/L	N/A	n.d.	n.d.	N/A	with reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC	-		-	N/A	Not Detected	Not Detected
4,4'-Methylene-Bi s(2-Chloroaniline)	101-14-4	0.100	μg/L	N/A	n.d.	n.d.	N/A	with reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC	-	-	-	N/A	Not Detected	Not Detected

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TEST REP	TEST REPORT NO.: Sample II			BR220)2107 Rev	/. 0		Date: S	ep 27 2022	2	Pa	ge:27 of 5)	
		S Date	ample ID Sampled	001	002 07-06-2022	003 07-06-2022	004 07-06-2022	2						
		Sampling	Location	-	ETA	ETA	Sludge Dewaterer (ĘŢĄ)							
		Sampling S	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS	F	actory Performa	ance
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspirationa Limit	I Incoming Water	Raw Waste Water	Discharged Waste Water
4,4'-Methylene-di -o-toluidine	838-88-0	0.100	µg/L	N/A	n.d.	n.d.	N/A	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC	-	-	-	N/A	Not Detected	Not Detected
4,4'-methylenedia niline	101-77-9	0.100	µg/L	N/A	n.d.	n.d.	N/A	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC	-	-	-	N/A	Not Detected	Not Detected
4,4'-Oxydianiline	101-80-4	0.100	µg/L	N/A	n.d.	n.d.	N/A	analysis. With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis	-	-	-	N/A	Not Detected	Not Detected
4,4'-Thiodianiline	niline 139-65-1 0.100 μg/L		µg/L	N/A	n.d.	n.d.	N/A	analysis. With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC	-	-	-	N/A	Not Detected	Not Detected

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TEST REPORT NO.:		BR220)2107 Rev	/. 0		Date: S	ep 27 2022	2	Pa	ge:28 of 50)			
		S	ample ID	001	002	003	004							
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-2022	2						
		Sampling	Location	-	ETA	ETA	Sludge Dewaterer (ĘŢĄ)							
		Sampling 5	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS	F	actory Perform	ance
ltems	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspirational Limit	Incoming Water	Raw Waste Water	Discharged Waste Water
4-aminoazobenze ne	60-09-3	0.100	µg/L	N/A	n.d.	n.d.	N/A	With reference to EPA 8270D,	-	-	-	N/A	Not Detected	Not Detected
								EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC						
4-Aminodiphenyl	92-67-1	0 100	ua/l	N/A	nd	nd	N/A	analysis.	-	-	-	N/A	Not Detected	Not Detected
								reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.						
4-chloro-o-toluidi ne	95-69-2	0.100	µg/L	N/A	n.d.	n.d.	N/A	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	-	-	-	N/A	Not Detected	Not Detected
4-chloroaniline	106-47-8	0.100	µg/L	N/A	n.d.	n.d.	N/A	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC	-	-	-	N/A	Not Detected	Not Detected

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TEST REP	TEST REPORT NO.:			BR220	02107 Rev	/. 0		Date: S	ep 27 202	2	P	age:29 of 5	0	
		S	ample ID	001	002	003	004							
		Date Sampling	Sampled	-	07-06-2022 FTA	07-06-2022 FTA	07-06-2023	2						
	5	Sampling S	tart Time	_	14:55	14:00	Dewaterer (ETA)							
		Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS	F	actory Performa	ance
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspiration Limit	nal Incoming Water	Raw Waste Water	Discharged Waste Water
4-methoxy-m-phe nylenediamine	615-05-4	0.100	µg/L	N/A	n.d.	n.d.	N/A	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC	-		-	N/A	Not Detected	Not Detected
4-methyl-m-phen ylenediamine	95-80-7	0.100	µg/L	N/A	n.d.	n.d.	N/A	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC	-	-	-	N/A	Not Detected	Not Detected
5-nitro-o-toluidine	99-55-8	0.100	µg/L	N/A	n.d.	n.d.	N/A	with reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC	-	-	-	N/A	Not Detected	Not Detected
6-methoxy-m-tolui dine	thoxy-m-tolui 120-71-8 0.100 µg/L		µg/L	N/A	n.d.	n.d.	N/A	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC	-	-	-	N/A	Not Detected	Not Detected

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TEST REPORT NO.: Sample II				BR220	2107 Rev	v. O		Date: S	ep 27 2022	2	F	Page:	30 of 50)	
		S Date Sampling	ample ID Sampled Location	001 -	002 07-06-2022 ETA	003 07-06-2022 ETA	004 07-06-2022 Sludge	2							
	Ę	Sampling S Sampling E	tart Time End Time	-	14:55 15:20	14:00 14:50	Dewaterer (F3:20 13:30		ZDH	C REQUIREM	ENTS		Fa	actory Performa	ance
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspirati Limi	ional it	Incoming Water	Raw Waste Water	Discharged Waste Water
Benzidine	92-87-5 0.100 µg.			N/A	n.d.	n.d.	N/A	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC	-	-	-		N/A	Not Detected	Not Detected
o-aminoazotoluen e	97-56-3	0.100	µg/L	N/A	n.d.	n.d.	N/A	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC	-	-	-		N/A	Not Detected	Not Detected
O-Anisidine	90-04-0	0.100	µg/L	N/A	n.d.	n.d.	N/A	analysis. With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis	-	-	-		N/A	Not Detected	Not Detected
o-toluidine	95-53-4	0.100	µg/L	N/A	n.d.	n.d.	N/A	With reference to EPA 8270D, EN 14362 or Solvent extraction with sodium dithonite reduction followed by GC/MS and HPLC analysis.	-	-	-		N/A	Not Detected	Not Detected

Carcinogenic dyes and Disperse dyes

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TEST REP	TEST REPORT NO.:				02107 Rev	/. 0		Date: S	ep 27 2022	2	1	Page:31 of 5	0	
								1	1					
		s	ample ID	001	002	003	004							
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-2022	2						
		Sampling	Location	-	ETA	ETA	Sludge Dewaterer							
	s	Sampling S	tart Time	-	14:55	14:00	(F3720)							
		Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS		Factory Perform	ance
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspirati Lim	ional Incoming it Water	Raw Waste Water	Discharged Waste Water
Acid Red 26	3761-53-3	500.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS analysis	-	-	-	N/A	Not Detected	Not Detected
Basic Blue 26	2580-56-5	500.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS analysis	-	-	-	N/A	Not Detected	Not Detected
Basic Green 4 (Malachite green chloride)	569-64-2	500.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS analysis	-	-	-	N/A	Not Detected	Not Detected
Basic Green 4 (Malachite green oxalate)	2437-29-8	500.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS analysis	-	-	-	N/A	Not Detected	Not Detected
Basic Green 4 (malachite green)	10309-95- 2	500.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS analysis	-	-	-	N/A	Not Detected	Not Detected
Basic Red 9	569-61-9	500.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS analysis	-	-	-	N/A	Not Detected	Not Detected
Basic Violet 14	632-99-5	500.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Direct Black 38	1937-37-7	500.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Direct Blue 6	2602-46-2	500.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Direct Red 28	573-58-0	500.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Disperse Blue 1	2475-45-8 500.000 µg/L			N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Disperse Blue 3	2475-46-9	500.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected

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TEST REPORT NO.:			BR220)2107 Rev	/. 0		Date: S	ep 27 202:	2	Pa	age:32 of 5	0		
			emple ID	004	000	000	004							
		3	ampie iD	001	07.06.2022	003	07.06.0000							
		Date Sampling	Sampled Location	-	ETA	ETA	Sludge	2						
	s	Sampling S	tart Time	-	14:55	14:00	Dewaterer (ETA) 13:20							
	:	Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS	F	actory Perform	ance
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspiration Limit	al Incoming Water	Raw Waste Water	Discharged Waste Water
Disperse Orange 11	82-28-0	500.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS analysis	-	-	-	N/A	Not Detected	Not Detected
Disperse Blue 102	12222-97- 8	50.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Disperse Blue 106	12223-01- 7	50.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Disperse Blue 124	61951-51- 7	50.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Disperse Blue 26	3860-63-7	50.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Disperse Blue 35	12222-75- 2,56524-7 7-7	50.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Disperse Blue 7	3179-90-6	50.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Disperse Brown 1	23355-64- 8	50.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Disperse Orange 1	2581-69-3	50.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Disperse Orange 3	730-40-5	50.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Disperse Orange37/59/76	13301-61- 6	13301-61- 50.000 µg/L 6		N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Disperse Red 1	2872-52-8	50.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected

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TEST REP	ORT NO	D .:		BR220)2107 Rev	r. 0		Date: S	ep 27 202	2	Р	age:33 of 5	D	
		s	ample ID	001	002	003	004							
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-202	2						
		Sampling	Location	-	ETA	ETA	Sludge Dewaterer							
	s	ampling S	tart Time	-	14:55	14:00	(F5.28)							
	:	Sampling I	End Time	-	15:20	14:50	13:30		ZDH	IC REQUIREM	ENTS	F	actory Perform	ance
ltems	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspiratio Limit	nal Incoming Water	Raw Waste Water	Discharged Waste Water
Disperse Red 11	2872-48-2	50.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Disperse Red 17	3179-89-3	50.000	µg/L	N/A	n.d.	n.d.	N/A	analysis. Solvent	-	-	-	N/A	Not Detected	Not Detected
								extraction followed by LC/MS						
Disperse Yellow 1	119-15-3	50.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Disperse Yellow 3	2832-40-8	50.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Disperse Yellow 39	12236-29- 2	50.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Disperse Yellow 49	54824-37- 2	50.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Disperse Yellow 9	6373-73-5	50.000	µg/L	N/A	n.d.	n.d.	N/A	Solvent extraction followed by LC/MS	-	-	-	N/A	Not Detected	Not Detected
Halogenated	Flame ret	ardants						anaiysis.						
2,2-bis(bromomet hyl)-1,3-propaned iol (BBMP)	3296-90-0	5.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS	-	-	-	N/A	Not Detected	Not Detected
Bis(2,3-dibromopr opyl)phosphate (BIS)	5412-25-9	5.000	µg/L	N/A	n.d.	n.d.	N/A	or LC/MS analysis With reference to USEPA 527, USEPA	-	-	-	N/A	Not Detected	Not Detected
		-25-9 5.000 µg/L						os21B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS analysis						

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TEST REPORT NO.:				BR220	2107 Rev	. 0		Date: S	ep 27 2022	2	Pa	age:34 of 50	0	
		S	ample ID	001	002	003	004							
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-2022	2						
		Sampling	Location	-	ETA	ETA	Sludge							
					14.55	14:00	Dewaterer (ETA)							
	5	Sampling S	tart Time and Time	-	14:55	14:00	13:20							
		oumping 1							ZDH	C REQUIREM	ENTS	F	actory Perform	ance
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspiration Limit	al Incoming Water	Raw Waste Water	Discharged Waste Water
Decabromo	1163-19-5	5.000	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-	N/A	Not Detected	Not Detected
diphenyl ethers (DecaBDE)								reference to USEPA						
								527, USEPA						
								8321B,						
								or Solvent						
								followed						
								or LC/MS						
Hexabromocyclod	134237-50	5.000	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-	N/A	Not Detected	Not Detected
odecane (HBCDD)	-6,134237- 51-7,1342							to USEPA						
	37-52-8							527, USEPA						
								8321B, ISO 22032						
								or Solvent extraction						
								followed by GC/MS						
								or LC/MS						
Octabromo	32536-52-	5.000	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-	N/A	Not Detected	Not Detected
(OctaBDE)	0							to USEPA						
								USEPA						
								ISO 22032						
								or Solvent extraction						
								followed by GC/MS						
								or LC/MS analysis						
Pentabromo diphenyl ethers	32534-81- 9	5.000	µg/L	N/A	n.d.	n.d.	N/A	With reference	-	-	-	N/A	Not Detected	Not Detected
(PentaBDE)								to USEPA						
								USEPA 8321B						
								ISO 22032						
								extraction						
								by GC/MS						
								or LC/MS analysis						

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TEST REP	TEST REPORT NO.:				2107 Rev	v. O		Date: S	ep 27 2022	2		Page	e:35 of 50)	
		S	ample ID	001	002	003	004								
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-202	2							
		Sampling	Location	-	ETA	ETA	Sludge Dewaterer								
	S	ampling St	tart Time	-	14:55	14:00	13:20								
		Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS		Fa	actory Performa	ance
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspirat Lim	ional it	Incoming Water	Raw Waste Water	Discharged Waste Water
Polybrominated biphenyls (PBBs)	59536-65- 1 various	5.000	µg/L	N/A	N/A	N/A	N/A	With reference to USEPA 527, USEPA 83218, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS	-	-	-		N/A	N/A	N/A
Tetrabromobisph enol A (TBBPA)	79-94-7	5.000	µg/L	N/A	n.d.	n.d.	N/A	with reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS	-	-	-		N/A	Not Detected	Not Detected
Tris(1.3-dichloro- 2-propyl) phosphate (TDCPP)	13674-87- 8	5.000	µg/L	N/A	n.d.	n.d.	N/A	analysis With reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS analysis	-	-	-		N/A	Not Detected	Not Detected
Tris(aziridinyl)-ph osphineoxide (TEPA)	545-55-1	5.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS analysis	-	-	-		N/A	Not Detected	Not Detected

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TEST REP	REPORT NO.: Dav Samplin Sampling Sampling			BR220)2107 Rev	v. O		Date: S	ep 27 2022	2		Pag	e:36 of 5()	
		s	ample ID	001	002	003	004								
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-202	22							
		Sampling	Location	-	ETA	ETA	Sludge Dewatere	r							
	s	ampling S	tart Time	-	14:55	14:00	(5729)								
	:	Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS		F	actory Perform	ance
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspira Li	ational mit	Incoming Water	Raw Waste Water	Discharged Waste Water
Tris(2,3-Dibromo propyl)-Phosphat e (TRIS)	126-72-7	5.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS analysis	-	-		-	N/A	Not Detected	Not Detected
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	5.000	μg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS analysis	-	-		-	N/A	Not Detected	Not Detected
Short Chain	Chlorinate	ed Paraffi	ns (SCC	P) with C	10-C13										
Short Chained Chlorinated Paraffins (SCCP)	85535-84-	5.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 527, USEPA 8321B, ISO 22032 or Solvent extraction followed by GC/MS or LC/MS analysis	-	-		-	N/A	Not Detected	Not Detected
Glycols								anaryoio	1				1		1
2- Ethoxyethanol	110-80-5	50.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 8270D or Solvent extraction followed by GC/MS or LC/MS	-	-		-	N/A	Not Detected	Not Detected
2- Ethoxyethyl acetate	111-15-9	50.000	µg/L	N/A	n.d.	n.d.	N/A	analysis With reference to USEPA 8270D or Solvent extraction followed by GC/MS or LC/MS analysis	-	-		-	N/A	Not Detected	Not Detected

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TEST REP	ORT NO	D.:		BR220)2107 Rev	v. 0		Date: S	ep 27 2022	2	Ра	ge:37 of 5	0	
		S Date	ample ID Sampled	001 -	002 07-06-2022	003 07-06-2022	004 07-06-2022	2						
	s	Sampling S	tart Time	-	14:55	14:00	Dewaterer (ETA) 13:20							
		Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS	F	actory Perform	ance
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspirationa Limit	I Incoming Water	Raw Waste Water	Discharged Waste Water
2- Methoxyethanol	109-86-4	50.000	μg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 8270D or Solvent extraction followed by GC/MS or LC/MS analysis	-	-	-	N/A	Not Detected	Not Detected
2- Methoxyethylacet ate	110-49-6	50.000	μg/L	N/A	n.d.	n.d.	N/A	with reference to USEPA 8270D or Solvent extraction followed by GC/MS or LC/MS	-	-	-	N/A	Not Detected	Not Detected
2- Methoxypropylac etate	70657-70-	50.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 8270D or Solvent extraction followed by GC/MS or LC/MS	-	-	-	N/A	Not Detected	Not Detected
Bis(2-methoxyeth yl)-ether	111-96-6	50.000	µg/L	N/A	n.d.	n.d.	N/A	analysis With reference to USEPA 8270D or Solvent extraction followed by GC/MS or LC/MS	-	-	-	N/A	Not Detected	Not Detected
Ethylene glycol dimethyl ether	110-71-4	50.000	μg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 8270D or Solvent extraction followed by GC/MS or LC/MS	-	-	-	N/A	Not Detected	Not Detected
Triethylene glycol dimethyl ether	112-49-2	50.000	µg/L	N/A	n.d.	n.d.	N/A	analysis With reference to USEPA 8270D or Solvent extraction followed by GC/MS or LC/MS analysis	-	-	-	N/A	Not Detected	Not Detected

Halogenated Solvents

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TEST REP	TEST REPORT NO.:)2107 Rev	v. O		Date: S	ep 27 2022	2		Page	:38 of 50)	
		s	ample ID	001	002	003	004								
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-202	2							
		Sampling	Location	-	ETA	ETA	Sludge Dewaterer								
	s	Sampling S	tart Time	-	14:55	14:00	(F5.720)								
		Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS		Fa	actory Performa	ance
Items	CAS No.	Poporting	Unit	Incoming	Row Waste	Discharged	Mud	Methods	Foundational	Brogrossivo	Acnirati	ional	Incoming	Bow Wasta	Discharged
liens	0,10,110.	Limit	Onic	Water	Water	Waste Water	muu	methods	Limit	Limit	Lim	lit	Water	Water	Waste Water
1,2-Dichloroethan	107-06-2	1.000	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-		N/A	Not Detected	Not Detected
e								reference to USEPA 8260B, Purge&Tra p,							
								Head-spac e or Solvent extraction							
								followed by GC/MS analysis							
Methylene chloride	75-09-2	1.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 8260B, Purge&Tra p,	-	-	-		N/A	Not Detected	Not Detected
								Head-spac e or Solvent extraction followed by GC/MS							
Tetrachloroethyle ne	127-18-4	1.000	µg/L	N/A	n.d.	n.d.	N/A	analysis With reference to USEPA 8260B, Purge&Tra	-	-	-		N/A	Not Detected	Not Detected
								p, Head-spac e or Solvent extraction							
								by GC/MS analysis							
Trichloroethylene	79-01-6	1.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 8260B, Purge&Tra	-	-	-		N/A	Not Detected	Not Detected
								p, Head-spac e or Solvent							
		Head-spac e or Solvent extraction followed by GC/MS analysis													

Organotin Compounds

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TEST REPORT NO.: Samp				BR220)2107 Rev	r. 0		Date: S	ep 27 2022	2	F	age:39 of 5)	
									1					
		S	ample ID	001	002	003	004							
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-202	2						
		Sampling	Location	-	ETA	ETA	Sludge Dewaterer							
	5	Sampling St	tart Time	-	14:55	14:00	(5720)							
		Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS	F	actory Perform	ance
Items	CAS No.	Reporting	Unit	Incomina	Raw Waste	Discharged	Mud	Methods	Foundational	Progressive	Aspiratio	nal Incoming	Raw Waste	Discharged
		Limit		Water	Water	Waste Water			Limit	Limit	Limit	Water	Water	Waste Water
Mono-, di- and tri-butyltin	Multiple	0.010	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-	N/A	Not Detected	Not Detected
derivatives								to ISO17353 and						
								derivatizati on with						
								diethyl						
								amate						
								by GC/MS analysis.						
Mono-, di- and tri-methyltin	Multiple	0.010	µg/L	N/A	n.d.	n.d.	N/A	With reference	-	-	-	N/A	Not Detected	Not Detected
derivatives								to ISO17353						
								derivatizati						
								sodium						
								dithiocarb amate						
								followed by GC/MS						
Mono-, di- and	Multiple	0.010	µg/L	N/A	n.d.	n.d.	N/A	analysis. With	-	-	-	N/A	Not Detected	Not Detected
tri-octyltin derivatives								to						
								and						
								on with						
								diethyl dithiocarb						
								amate followed						
								by GC/MS analysis.						
Mono-, di- and tri-phenyltin	Multiple	0.010	µg/L	N/A	n.d.	n.d.	N/A	With reference	-	-	-	N/A	Not Detected	Not Detected
derivatives								ISO17353						
								derivatizati						
								sodium						
								dithiocarb amate						
								followed by GC/MS						
								analysis.						

Phthalates

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TEST REPORT NO.: Sample			BR220	02107 Rev	<i>ı</i> . 0		Date: S	ep 27 202:	2	F	Page:4	0 of 50)		
		s	ample ID	001	002	003	004								
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-2022	2							
		Sampling	Location	_	FTA	FTA	Sludge								
		Gamping	Location		2	2.01	Dewaterer								
	S	Sampling S	tart Time	-	14:55	14:00	43!20								
		Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS		Fa	actory Perform	ance
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspirati Limi	onal li it	ncoming Water	Raw Waste Water	Discharged Waste Water
1,2-Benzenedica boxylic acid, Di-C6-8 Branched Alkyl Esters, C7-rich (DIHP)	71888-89- 6	10.000	μg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	-	-	-		N/A	Not Detected	Not Detected
1,2-Benzenedica	68515-42-	10.000	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-		N/A	Not Detected	Not Detected
Di-C7-11 Branched and Linear Alkyl Esters (DHNUP)								to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis							
Bis(2-methoxyeth yl)phthalate (DMEP)	117-82-8	10.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	-	-	-		N/A	Not Detected	Not Detected
Benzyl Butyl	85-68-7	10.000	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-		N/A	Not Detected	Not Detected
Phthalate (BBP)								to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis							
Di(2-Ethyl Hexyl) Phthalate(DEHP)	117-81-7	10.000	µg/L	N/A	n.d.	n.d.	N/A	Vith reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS	-	-	-		N/A	Not Detected	Not Detected

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TEST REPORT NO.: San Date Sa Sampling Lo			BR220	02107 Rev	r. O		Date: S	ep 27 202:	2	1	Page:	41 of 50)		
		s	ample ID	001	002	003	004								
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-2022	2							
		Sampling	Location	-	ETA	ETA	Sludge								
		oumping	Looution				Dewaterer (ETA)								
	S	ampling S	tart Time	-	14:55	14:00	43!20								
		Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	IENTS		F	actory Perform	ance
Items	CAS No.	Reporting	Unit	Incoming	Raw Waste	Discharged	Mud	Methods	Foundational	Progressive	Aspirati	onal	Incoming	Raw Waste	Discharged
		Limit		Water	Water	Waste Water			Limit	Limit	Lim	it	Water	Water	Waste Water
Dicyclohexyl Phthalate	84-61-7	10.000	µg/L	N/A	n.d.	n.d.	N/A	With reference	-	-	-		N/A	Not Detected	Not Detected
(DCHP)								to USEPA 8270D.							
								ISO							
								Solvent							
								extraction followed							
								by GC/MS							
Di-Iso-Decyl	26761-40-	10.000	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-		N/A	Not Detected	Not Detected
Phthalate (DIDP)	0, 68515-49-							to USEPA							
	1							8270D,							
								18856, or							
								extraction							
								followed by GC/MS							
Di isa satul	07554.00	10.000	ug/l	N/A	nd	nd	N/A	analysis					Ν/Δ	Not Detected	Not Detected
Phthalate (DIOP)	3	10.000	P9/L	N/A	n.u.	n.u.	N/A	reference		-			11/4	Not Detected	Not Detected
								to USEPA 8270D.							
								ISO							
								Solvent							
								extraction followed							
								by GC/MS analysis							
Di-Iso-Butyl	84-69-5	10.000	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-		N/A	Not Detected	Not Detected
Phthalate (DIBP)								to USEPA							
								8270D, ISO							
								18856, or							
								extraction							
								followed by GC/MS							
Di-Iso-Nonvl	28553-12-	10.000	ua/L	N/A	n.d.	n.d.	N/A	analysis	-	-	-		N/A	Not Detected	Not Detected
Phthalate (DINP)	0,	10.000	P9'-					reference						nor bolloolou	
	68515-48- 0							to USEPA 8270D,							
								ISO 18856 or							
								Solvent							
								extraction followed							
								by GC/MS							

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TEST REPORT NO.: San Date Sa Sampling Lo			BR220	02107 Rev	r. O		Date: S	ep 27 202:	2	1	Page:	:42 of 50)		
		s	ample ID	001	002	003	004								
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-2022	2							
		Sampling	Location	-	ETA	ETA	Sludge								
		oumping	Location				Dewaterer (ETA)								
	s	ampling S	tart Time	-	14:55	14:00	43!20								
		Sampling E	Ind Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS		F	actory Perform	ance
Items	CAS No.	Reporting	Unit	Incoming	Raw Waste	Discharged	Mud	Methods	Foundational	Progressive	Aspirati	ional	Incoming	Raw Waste	Discharged
		Limit		Water	Water	Waste Water			Limit	Limit	Lim	it	Water	Water	Waste Water
Di-N-Hexyl Phthalate	84-75-3	10.000	µg/L	N/A	n.d.	n.d.	N/A	With reference	-	-	-		N/A	Not Detected	Not Detected
(DNHP)								to USEPA 8270D.							
								ISO							
								Solvent							
								extraction followed							
								by GC/MS							
Di-N-Octyl	117-84-0	10.000	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-		N/A	Not Detected	Not Detected
Phthalate (DNOP)								to USEPA							
								8270D,							
								18856, or							
								extraction							
								followed by GC/MS							
Di N. Drand	131-16-8	10.000	ua/l	N/A	nd	nd	NI/A	analysis					NI/A	Not Detected	Not Detected
Phthalate (DPrP)	131-10-0	10.000	µg/L	N/A	n.u.	n.u.	N/A	reference	-	-	-		N/A	NOT Detected	Not Detected
								to USEPA 8270D.							
								ISO							
								Solvent							
								extraction followed							
								by GC/MS analysis							
Di-Butyl	84-74-2	10.000	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-		N/A	Not Detected	Not Detected
Phthalate (DBP)								to USEPA							
								8270D, ISO							
								18856, or							
								extraction							
								followed by GC/MS							
Diethyl Phthalate	84-66-2	10.000	ua/L	N/A	n.d.	n.d.	N/A	analysis With	-	-	-		N/A	Not Detected	Not Detected
(DEP)			-5-					reference							
								to USEPA 8270D,							
								ISO 18856 or							
								Solvent							
								followed							
								by GC/MS							

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TEST REF	PORTNO	D .:		BR220	02107 Rev	<i>ı</i> . 0		Date: S	ep 27 2022	2	I	Page	:43 of 50)	
		S Date	ample ID Sampled	001	002 07-06-2022	003 07-06-2022	004 07-06-202	2							
		Sampling	Location	-	ETA	ETA	Sludge Dewaterer	r							
	s	Sampling S Sampling E	tart Time End Time	-	14:55 15:20	14:00 14:50	(F3:20) 13:30		ZDH	C REQUIREM	ENTS		Fa	actory Performa	ance
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspirati Lim	ional it	Incoming Water	Raw Waste Water	Discharged Waste Water
Dinonyl Phthalate (DNP)	84-76-4	10.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 8270D, ISO 18856, or Solvent extraction followed by GC/MS analysis	-		-		N/A	Not Detected	Not Detected
PFCs (Perflu	orocarbo	n / Polyflu	orinate	d Compou	inds)		1		1					1	
6:2 FTOH	647-42-7	1.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to DIN38407- 42 or CEN/TS 15968 and followed by LC/MS or LC/MS/MS	-	-	-		N/A	Not Detected	Not Detected
8:2 FTOH	678-39-7	1.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to DIN38407- 42 or CEN/TS 15968 and followed by LC/MS or LC/MS/MS	-	-	-		N/A	Not Detected	Not Detected
PFBS	375-73-5, 59933-66- 3	0.010	μg/L	N/A	n.d.	n.d.	N/A	analysis With reference to DIN38407- 42 or CEN/TS 15968 and followed by LC/MS or LC/MS/MS analysis	-	-	-		N/A	Not Detected	Not Detected
PFHXA	307-24-4	0.010	μg/L	N/A	n.d.	n.d.	N/A	arialysis With reference to DIN38407- 42 or CEN/TS 15968 and followed by LC/MS or LC/MS/MS analysis	-	-	-		N/A	Not Detected	Not Detected

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TEST REP	PORT NO	D.:		BR220)2107 Rev	. 0		Date: S	ep 27 2022	2	1	Page	e:44 of 50)	
		s	ample ID	001	002	003	004								
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-202	2							
		Sampling	Location	-	ETA	ETA	Sludge Dewatere	r							
	s	ampling S	tart Time	-	14:55	14:00	(572)								
	:	Sampling I	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS		Fa	actory Performa	ince
Items	CAS No.	Reporting	Unit	Incoming	Raw Waste	Discharged	Mud	Methods	Foundational	Progressive	Aspirati	onal	Incoming	Raw Waste	Discharged
		Limit		Water	Water	Waste Water			Limit	Limit	Lim	it	Water	Water	Waste Water
PFOA	335-67-1	0.010	μg/L	N/A	n.d.	n.d.	N/A	With	-	-	-		N/A	Not Detected	Not Detected
								reference to DIN38407- 42 or CEN/TS 15968 and followed by LC/MS or LC/MS/MS							
PFOS	1763-23-1	0.010	µg/L	N/A	n.d.	n.d.	N/A	allalysis With reference to DIN38407- 42 or CEN/TS 15968 and followed by LC/MS or LC/MS/MS	-	-	-		N/A	Not Detected	Not Detected
	romatic Hy	/drocarb/	ons (PAI	He)				analysis							
Acenaphthene	83-32-9	1.000	μg/L	N/A	n.d.	n.d.	N/A	With	-	-	-		N/A	Not Detected	Not Detected
			15					reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis							
Acenaphthylene	208-96-8	1.000	μg/L	N/A	n.d.	n.d.	N/A	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS	-	-	-		N/A	Not Detected	Not Detected
Anthracene	120-12-7	1.000	μg/L	N/A	n.d.	n.d.	N/A	analysis With reference to DIN 38407-39 or Solvent extraction followed by GC/MS	-	-	-		N/A	Not Detected	Not Detected
Benzo(a)anthrace ne	56-55-3	1.000	µg/L	N/A	n.d.	n.d.	N/A	analysis With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	-	-	-		N/A	Not Detected	Not Detected

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TEST REP	Sample I			BR220)2107 Rev	/. 0		Date: S	ep 27 202	2	Pa	age:45 of 5	0	
		S Date	ample ID Sampled	001	002 07-06-2022	003 07-06-2022	004 07-06-2022							
		Sampling	Location	-	ETA	ETA	Sludge Dewaterer (ETA)							
		Sampling S	and Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS	F	actory Perform	ance
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspiration Limit	al Incoming Water	Raw Waste Water	Discharged Waste Water
Benzo(a)pyrene	50-32-8	1.000	μg/L	N/A	n.d.	n.d.	N/A	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	-	-	-	N/A	Not Detected	Not Detected
Benzo(b)fluorant hene	205-99-2	1.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS	-	-	-	N/A	Not Detected	Not Detected
Benzo(e)pyrene	192-97-2	1.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS	-	-	-	N/A	Not Detected	Not Detected
Benzo(g,h,i)peryl ene	191-24-2	1.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	-	-	-	N/A	Not Detected	Not Detected
Benzo(j)fluoranth ene	205-82-3	1.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	-	-	-	N/A	Not Detected	Not Detected
Benzo(k)fluoranth ene	207-08-9	1.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS	-		-	N/A	Not Detected	Not Detected
Chrysene	218-01-9	1.000	µg/L	N/A	n.d.	n.d.	N/A	anarysis With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	-	-	-	N/A	Not Detected	Not Detected

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TEST REP	EST REPORT NO.:				02107 Rev	/. 0		Date: Sep 27 2022				Page:46 of 50				
		S	ample ID	001	002	003	004									
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-2022	2								
		Sampling	Location	-	ETA	ETA	Sludge Dewaterer									
	S	Sampling S	tart Time	-	14:55	14:00	43!20									
		Sampling E	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS	F	actory Perform	ance		
Items	CAS No.	Reporting	Unit	Incoming	Raw Waste	Discharged	Mud	Methods	Foundational	Progressive	Aspirationa	I Incoming	Raw Waste	Discharged		
		LIIII		water	water	waste water			Limit	Limit	Limit	vvater	water	waste water		
Dibenz(a,h)anthr	53-70-3	1.000	µg/L	N/A	n.d.	n.d.	N/A	With	-	-	-	N/A	Not Detected	Not Detected		
acene								reference to DIN 38407-39 or Solvent extraction followed by GC/MS								
Fluoranthene	206-44-0	1.000	µg/L	N/A	n.d.	n.d.	N/A	analysis With	-	-	-	N/A	Not Detected	Not Detected		
								reference to DIN 38407-39 or Solvent extraction followed by GC/MS								
Fluorene	86-73-7	1.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS	-	-	-	N/A	Not Detected	Not Detected		
Indone (4, 0, 0, o, d)	102 20 5	1.000		NI/A		nd	NI/A	analysis				NI/A	Net Detected	Not Detected		
Indeno(1,2,3-c,d) pyrene	193-39-5	1.000	μg/L	N/A	n.d.	n.a.	N/A	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	-	-	-	N/A	Not Detected	Not Detected		
Naphthalene	91-20-3	1.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	-	-	-	N/A	Not Detected	Not Detected		
Phenanthrene	85-01-8	1.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to DIN 38407-39 or Solvent extraction followed by GC/MS	-	-	-	N/A	Not Detected	Not Detected		
Pyrene	129-00-0	1.000	µg/L	N/A	n.d.	n.d.	N/A	analysis With reference to DIN 38407-39 or Solvent extraction followed by GC/MS analysis	-	· ·	-	N/A	Not Detected	Not Detected		

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TEST REP	ORT NO	D.:		BR220	2107 Rev	v. 0		Date: Sep 27 2022				Page:47 of 50			
		S	ample ID	001	002	003	004								
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-202	2							
		Dute	oumpieu												
		Sampling	Location	-	EIA	EIA	Sludge Dewaterer								
	s	ampling St	tart Time	-	14:55	14:00	(572)								
		Sampling E	Ind Time	-	15:20	14:50	13:30		ZDH		INTS		Fa	ctory Performa	ance
Items	CAS No.	Reporting	Unit	Incomina	Raw Waste	Discharged	Mud	Methods	Foundational	Progressive	Aspira	ational	Incoming	Raw Waste Discharged	
		Limit		Water	Water	Waste Water			Limit	Limit	Li	mit	Water	Water	Waste Water
Volatile organ	nic compo	ounds (VC	DCs)												
Benzene	71-43-2	1.000	µg/L	N/A	n.d.	n.d.	N/A	With	-	-		•	N/A	Not Detected	Not Detected
								to USEPA							
								8260B, Purge&Tra							
								p, Head-spac							
								e or Solvent							
								extraction followed							
								by GC/MS analysis							
m-cresol	108-39-4	1.000	µg/L	N/A	n.d.	n.d.	N/A	With	-	-		-	N/A	Not Detected	Not Detected
								to USEPA							
								Purge&Tra							
								p, Head-spac							
								e or Solvent							
								extraction followed							
								by GC/MS analysis							
o-cresol	95-48-7	1.000	µg/L	N/A	n.d.	n.d.	N/A	With reference	-	-		-	N/A	Not Detected	Not Detected
								to USEPA 8260B,							
								Purge&Tra							
								Head-spac e or							
								Solvent							
								followed							
n aragal	106 44 5	1 000		NI/A	nd	nd	NI/A	analysis					NI/A	Net Detected	Net Detected
p-cresor	106-44-5	1.000	µg/L	IN/A	n.a.	n.a.	N/A	reference	-	-		-	N/A	Not Delected	Not Detected
								to USEPA 8260B,							
								Purge&Tra p,							
								Head-spac e or							
								Solvent extraction							
								followed							
								analysis							

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TEST REP	ORT NO	D.:		BR220	2107 Rev	v. 0		Date: Sep 27 2022 Par				Page	Page:48 of 50			
		S	ample ID	001	002	003	004									
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-202	2								
		Sampling	Location	-	ETA	ETA	Sludge									
	s	ampling St	tart Time	-	14:55	14:00	(F3720)									
	;	Sampling E	Ind Time	-	15:20	14:50	13:30		704				Footowy Devformence			
									ZDHC REQUIREMEN			Factory Penormance				
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspira Lii	itional nit	Incoming Water	Raw Waste Water	Discharged Waste Water	
Xylene	1330-20-7	1.000	µg/L	N/A	n.d.	n.d.	N/A	With reference to USEPA 8260B, Purge&Tra p, Head-spac e or Solvent extraction followed by GC/MS analysis	-	-		-	N/A	Not Detected	Not Detected	
Metals																
Total Lead	7439-92-1	2.000	mg/kg	N/A	N/A	N/A	4.000	: In House Method, with reference to EPA 3051A USEPA 6020B, Acid Digestion followed by ICP/MSan alysis	-	-		-	N/A	N/A	N/A	
Total Cadmium	7440-43-9	2.000	mg/kg	N/A	N/A	NA	n.d.	: In House Method, with reference to EPA 3051A USEPA 6020B, Acid Digestion followed by ICP/MSan alvsis	-	-		-	N/A	N/A	N/A	
Total Mercury	7439-97-6	0.200	mg/kg	N/A	N/A	N/A	n.d.	In House Method, with reference to EPA 3051A USEPA 6020B, Acid Digestion followed by ICP//MSan	-	-		-	N/A	N/A	N/A	

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					1		1		1					
		S	ample ID	001	002	003	004							
		Date	Sampled	-	07-06-2022	07-06-2022	07-06-2022	2						
		Sampling	Location	-	ETA	ETA	Sludge Dewaterer							
	s	ampling S	tart Time	-	14:55	14:00	(572)							
		Sampling I	End Time	-	15:20	14:50	13:30		ZDH	C REQUIREM	ENTS	Factory Performance		
Items	CAS No.	Reporting Limit	Unit	Incoming Water	Raw Waste Water	Discharged Waste Water	Mud	Methods	Foundational Limit	Progressive Limit	Aspirationa Limit	I Incoming Water	Raw Waste Water	Discharged Waste Water
Total Arsenic	7440-38-2	2.000	mg/kg	N/A N/A	N/A N/A	N/A N/A	n.d.	 In House Method, with reference to EPA 3051A USEPA 6020B, Acid Digestion followed by ICP/MSan alysis In House Method, with reference to EPA 3051A USEPA 3051A USEPA 6020B, Acid Digestion followed 		-	-	N/A	N/A	N/A
Chromium-Hexav alent (CrVI)	18540-29- 9	2.000	mg/kg	N/A	N/A	N/A	3.000	by ICP/MSan alysis : In House Method, with reference to EPA 3051A USEPA 6020B, Acid Digestion followed by ICP/MSan	-	-	-	N/A	N/A	N/A

Remarks :

"n.d." = Not Detected

"N/A" = Not Applicable

"-" = Not Required to be Test

Comments

All information reported on this Test Report refers only to the analyzed sample.

The test Heavy Metals is not part of the scope of testing of this laboratory and was produced by a subcontracted laboratory. The

outsourced test was performed by laboratory SGS Supervise Gözetme Etüd Kontrol Servisleri A.S., report number TR2164045.

WARNING: The opinions and interpretations expressed below are based on the results obtained from the item tested, applicable only to the tests where the specification parameters are included in this report.

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The assay were conducted in the laboratory in Brazil, located at the address cited at the bottom of this report.

*** End of Report ***

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