

**SOFTLINES WASTEWATER TESTING**  
**TEST REPORT (TEXTILES)**

Number: BRA20250904-1

Report Date: 04/09/2025

Factory's name:	Vicunha Textil S.A. (Vicunha - Unidade Maracanaú)
Factory's address:	Av. Dr. Mendel Steinbruch, Km 9 - Pajuçara, Maracanaú-CE - Brazil
Audit ID:	Not Applicable
Type of wastewater discharge:	Indirect discharge with Pretreatment (with sludge)
On-site Wastewater treatment plant:	With wastewater treatment plant
Average total industrial wastewater generated:	≥ 15m <sup>3</sup> /day
Date and time of the beginning of sampling:	11/07/2025, 09:00
Date and time of the end of sampling:	11/07/2025, 15:10
Date received sample:	12/07/2025
Testing period:	From 12/07/2025 to 04/09/2025
Arrival temperature at laboratory:	7 °C
Sample type:	Composite Sample
Sample / Incoming water	Not Applicable
Sample / Untreated wastewater	Blue sample colour, composite sample at 09:10,10:10,11:10,12:10,13:10,14:10,15:10 Sampling location: Latitude -3.52.22.S, Longitude -38.35.56.W
Sample / Discharged wastewater	Green sample colour, composite sample at 09:00,10:00,11:00,12:00,13:00,14:00,15:00 Sampling location: Latitude -3.52.24.S, Longitude -38.35.57.W
Sample / Sludge	Black sample colour, composite sample at 14:00 Sampling location: Latitude -3.52.24.S, Longitude -38.35.57.W
Sampling laboratory:	Controle Analítico Análises Técnicas Ltda. (Intertek Group)
Testing laboratory:	Controle Analítico Análises Técnicas Ltda. (Intertek Group) / Intertek de Guatemala, S.A.
ZDHC sampler accreditation certification number:	ZDHC-A-23-E-C001068-R324A-69F41



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Local legal standard name <sup>[a]</sup> :	Not Provided
Local legal standard no. <sup>[a]</sup> :	Not Provided
Parameters (ZDHC WWSG V2.2, Table 2-3) exceeded local regulation:	No exceeded
Discharge permit provided:	Yes

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Tests conducted:

As requested by a brand program, for details refer to attached page(s).

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**Summary of test results:**

Wastewater / MRSL – Test items	Testing period	Untreated Wastewater
Alkylphenol ethoxylates / Alkylphenols (APEOs/APs) <sup>(S)</sup>	From 30/07/2025 to 05/08/2025	ND
Anti-Microbials & Biocides <sup>(S)</sup>	From 30/07/2025 to 05/08/2025	ND
Chlorinated Parafins <sup>(S)</sup>	From 11/08/2025 to 14/08/2025	ND
Chlorobenzenes and Chlorotoluenes <sup>(S)</sup>	From 13/08/2025 to 19/08/2025	ND
Chlorophenols <sup>(S)</sup>	From 24/07/2025 to 19/08/2025	ND
Dimethyl Formamide (DMFa) <sup>(S)</sup>	From 06/08/2025 to 19/08/2025	ND
Dyes – Carcinogenic or Equivalent Concern <sup>(S)</sup>	From 29/07/2025 to 30/07/2025	ND
Dyes – Disperse (Allergenic) <sup>(S)</sup>	From 29/07/2025 to 30/07/2025	ND
Flame Retardants <sup>(S)</sup>	From 11/08/2025 to 14/08/2025	ND
Glycols / Glycol Ethers <sup>(S)</sup>	From 12/08/2025 to 19/08/2025	ND
Halogenated solvents <sup>(S)</sup>	From 08/08/2025 to 19/08/2025	ND
Organotin compounds <sup>(S)</sup>	From 08/08/2025 to 19/08/2025	ND
Other/Miscellaneous Chemicals (^) <sup>(S)</sup>	From 07/08/2025 to 08/08/2025	ND
Perfluorinated & Polyfluorinated chemicals (PFCs) <sup>(S)</sup>	From 30/07/2025 to 05/08/2025	ND
Phthalates (Ortho-phthalates) <sup>(S)</sup>	From 13/08/2025 to 19/08/2025	ND
Polycyclic aromatic hydrocarbons (PAHs) <sup>(S)</sup>	From 13/08/2025 to 19/08/2025	ND
Restricted Aromatic Amines (Cleavable from Azo- colourants) <sup>(S)</sup>	From 14/08/2025 to 19/08/2025	ND
UV Absorbers <sup>(S)</sup>	From 07/08/2025 to 20/08/2025	ND
Volatile Organic Compounds (VOC) <sup>(S)</sup>	From 08/08/2025 to 19/08/2025	ND



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Wastewater / Heavy metals - Test items	Testing period	Discharged wastewater		
		Foundational	Progressive	Aspirational
Chromium (VI) <sup>(S)</sup>	From 25/07/2025 to 25/07/2025			Meet
Arsenic	From 12/07/2025 to 21/07/2025			Meet
Cadmium	From 12/07/2025 to 21/07/2025			Meet
Lead	From 12/07/2025 to 21/07/2025			Meet
Mercury <sup>(S)</sup>	From 25/07/2025 to 25/07/2025			Meet

Sludge – Disposal Pathways
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Sludge / MRSL - Test items	Testing period	Sludge
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers <sup>(S)</sup>	From 30/07/2025 to 05/08/2025	ND
Polycyclic Aromatic Hydrocarbons (PAHs) <sup>(S)</sup>	From 13/08/2025 to 19/08/2025	ND
Chlorotoluenes <sup>(S)</sup>	From 13/08/2025 to 19/08/2025	ND

Sludge / Heavy metals - Test items	Testing period	Sludge (Total)	Sludge (Leachate)
Antimony	From 12/07/2025 to 22/07/2025	Meet	
Arsenic	From 12/07/2025 to 22/07/2025	Meet	
Barium	From 12/07/2025 to 22/07/2025	Meet	
Cadmium	From 12/07/2025 to 22/07/2025	Meet	
Cobalt	From 12/07/2025 to 22/07/2025	Meet	
Copper	From 12/07/2025 to 22/07/2025	Meet	
Lead	From 12/07/2025 to 04/09/2025		Meet
Nickel	From 12/07/2025 to 22/07/2025	Meet	
Selenium	From 12/07/2025 to 04/09/2025		Meet
Silver	From 12/07/2025 to 22/07/2025	Meet	
Zinc	From 12/07/2025 to 22/07/2025	Meet	
Chromium (total)	From 12/07/2025 to 22/07/2025	Meet	
Chromium VI	From 12/07/2025 to 01/08/2025	Meet	
Mercury	From 12/07/2025 to 22/07/2025	Meet	

Sludge / Conventional parameters - Test items	Testing period	Sludge
pH	From 12/07/2025 to 18/07/2025	Meet
Faecal Coliform	From 12/07/2025 to 12/07/2025	Meet
% Solids	From 12/07/2025 to 28/07/2025	Report only, refer data
Paint filter test	From 12/07/2025 to 18/07/2025	Meet



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Sludge / Anion - Test items	Testing period	Sludge
Cyanide	From 12/07/2025 to 15/07/2025	Meet

Remark:
ND = Not detected (less than ZDHC reporting limit for MRSL parameters) / Not detected (less than lab reporting limit for other parameters)
D = Detected
N/A = Not applicable (Out of scope according to ZDHC WWSG v2.2)
NT = Not tested (Did not test according to applicant's request)
<sup>(S)</sup> = The samples were subcontracted to Intertek [Intertek de Guatemala, S.A.] for testing.
<sup>(T)</sup> = If sample temperature is greater than 8°C and less than 10°C when received from the laboratory.
<sup>(TT)</sup> = If sample temperature is exceeded 10°C when received from the laboratory.
@ = Maximum holding time exceeded.
(^ ) = Borate, zinc salt would report ND when total boron or total zinc less than 100 µg/L.
<sup>(f)</sup> = On-site test by sampler.
<sup>(a)</sup> = The local legal standard name and legal standard no. is referenced to discharge permit (or contractual agree by CETP) that provided by applicant.
This report shows the test results of the environmental samples of the above factory which were collected on a specific date and time. The results of this report shall not be used for any regulatory compliance purposes.

For and on behalf of  
 Controle Analítico Análises Técnicas Ltda. (Intertek Group)



Erica Garcia, Softlines Manager



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**Sample / Wastewater**

- Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers

Test method information:

NP/OP: With reference to ISO 18857-2 (modified dichloromethane extraction) or ASTM D7065 with GC-MS or LC-MS-MS analysis.

OPEO/NPEO (n>2): With reference to ISO 18857-2 (modified dichloromethane extraction) or ASTM D7065 with GC-MS or LC-MS-MS analysis.

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
Nonylphenol ethoxylates (NPEO)	Multiple Including 9016-45-9; 26027-38-3; 37205-87-1; 68412-54-4; 127087-87-0	5	ND	µg/L
Nonylphenol (NP), mixed isomers	Multiple Including 104-40-5; 11066-49-2; 25154-52-3; 84852-15-3	5	ND	µg/L
Octylphenol ethoxylates (OPEO)	Multiple Including 9002-93-1; 9036-19-5; 68987-90-6	5	ND	µg/L
Octylphenol (OP), mixed isomers	Multiple Including 140-66-9; 1806-26-4; 27193-28-8	5	ND	µg/L



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2. Anti- Microbials & Biocides

Test method information:

OPP, Triclosan: With reference to USEPA 8270E Solvent extraction, derivatization with KOH, acetic anhydride followed by GC-MS analysis; with reference to BS EN 12673-1999 an alternative method of solvent extraction and derivatization are included.

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
o-Phenylphenol (+salts)	90-43-7	100	ND	µg/L
Triclosan	3380-34-5	100	ND	µg/L
Permethrin	Multiple including 52645-53-1	500	ND	µg/L

3. Chlorinated Parafins

Test method information:

For MCCP: With reference to EPA 3510, analysis by ISO18219-2:2021 with GC-MS-NCI or LC-MS-MS analysis.

For SCCP: With reference to EPA 3510, analysis by ISO18219-1:2021, ISO 12010:2019 with GC-MS-NCI or LC-MS-MS analysis.

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
Medium-chain Chlorinated paraffins (MCCPs) (C14-C17)	85535-85-9	500	ND	µg/L
Short-chain Chlorinated paraffin (SCCPs)(C10 – C13)	85535-84-8	25	ND	µg/L

4. Chlorobenzenes and Chlorotoluenes

Test method information:

1,2-Dichlorobenzene, other isomers of mono-, di-, tri-, tetra-, penta- and hexa- Chlorobenzene and mono-, di-, tri-, tetra- and penta- chlorotoluene: With reference to USEPA 8260D, USEPA 8270E, Purge and Trap, Head Space, Dichloromethane extraction followed by GC-MS analysis.

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
1,2-Dichlorobenzene	95-50-1	0.2	ND	µg/L



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<p>Other isomers of mono-, di-, tri-, tetra-, penta- and hexa-Chlorobenzene and mono-, di-, tri-, tetra- and penta-chlorotoluene</p>	<p>Multiple including            108-90-7;            541-73-1;            106-46-7;            87-61-6;            120-82-1;            108-70-3;            634-66-2;            634-90-2;            95-94-3;            608-93-5;            118-74-1;            95-49-8;            108-41-8;            106-43-4;            32768-54-0;            95-73-8;            19398-61-9;            118-69-4;            95-75-0;            25186-47-4;            7359-72-0;            2077-46-5;            6639-30-1;            23749-65-7;            21472-86-6;            1006-32-2;            875-40-1;            1006-31-1;            877-11-2</p>	<p>0.2</p>	<p>ND</p>	<p>µg/L</p>
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5. Chlorophenols

Test method information:

With reference to US EPA 8270E solvent extraction, derivatization with KOH, acetic anhydride followed by GC-MS; with reference to BS EN 12673-1999 solvent extraction and derivatization are included.

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
2-Chlorophenol	95-57-8	0.5	ND	µg/L
2,3-Dichlorophenol	576-24-9	0.5	ND	µg/L
2,3,4-Trichlorophenol	15950-66-0	0.5	ND	µg/L
2,3,5-Trichlorophenol	933-78-8	0.5	ND	µg/L
2,3,6-Trichlorophenol	933-75-5	0.5	ND	µg/L
2,4-Dichlorophenol	120-83-2	0.5	ND	µg/L



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2,4,5-Trichlorophenol	95-95-4	0.5	ND	µg/L
2,4,6-Trichlorophenol	88-06-2	0.5	ND	µg/L
2,5-Dichlorophenol	583-78-8	0.5	ND	µg/L
2,6-Dichlorophenol	87-65-0	0.5	ND	µg/L
3-Chlorophenol	108-43-0	0.5	ND	µg/L
3,4-Dichlorophenol	95-77-2	0.5	ND	µg/L
3,4,5-Trichlorophenol	609-19-8	0.5	ND	µg/L
3,5- Dichlorophenol	591-35-5	0.5	ND	µg/L
4-Chlorophenol	106-48-9	0.5	ND	µg/L
Pentachlorophenol (PCP)	87-86-5	0.5	ND	µg/L
2,3,5,6-Tetrachlorophenol	935-95-5	0.5	ND	µg/L
2,3,4,6-Tetrachlorophenol	58-90-2	0.5	ND	µg/L
2,3,4,5-Tetrachlorophenol	4901-51-3	0.5	ND	µg/L

6. Dimethyl Formamide (DMFa)

Test method information:

Dimethyl formamide; N,N-di-methylformamide (DMFa): With reference to EPA 8015, EPA 8270E.

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
Dimethyl formamide; N,N-dimethylformamide (DMFa)	68-12-2	1000	ND	µg/L

7. Dyes – Carcinogenic or Equivalent Concern

Test method information:

All tests: By Liquid extraction, LC-MS analysis.

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
Basic violet 3 with >0.1% of Michler’s Ketone	548-62-9	500	ND	µg/L
C.I. Acid Red 26	3761-53-3	500	ND	µg/L
C.I. Acid Violet 49	1694-09-3	500	ND	µg/L
C.I. Basic Blue 26 (with Michler’s Ketone > 0.1%)	2580-56-5	500	ND	µg/L
C.I. Basic Green 4 (malachite green chloride)	569-64-2	500	ND	µg/L
C.I. Basic Green 4 (malachite green oxalate)	2437-29-8	500	ND	µg/L



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C.I. Basic Green 4 (malachite green)	10309-95-2	500	ND	µg/L
C.I. Basic Red 9	569-61-9	500	ND	µg/L
C.I. Basic Violet 14	632-99-5	500	ND	µg/L
C.I. Direct Black 38	1937-37-7	500	ND	µg/L
C.I. Direct Blue 6	2602-46-2	500	ND	µg/L
C.I. Direct Red 28	573-58-0	500	ND	µg/L
C.I. Disperse Blue 1	2475-45-8	500	ND	µg/L
C.I. Disperse Blue 3	2475-46-9	500	ND	µg/L
Disperse Orange 11	82-28-0	500	ND	µg/L

8. Dyes – Disperse (Allergenic)

Test method information:

All tests: By Liquid extraction, LC-MS analysis.

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
Disperse Blue 102	12222-97-8	50	ND	µg/L
Disperse Blue 106	12223-01-7	50	ND	µg/L
Disperse Blue 124	61951-51-7	50	ND	µg/L
Disperse Blue 26	3860-63-7	50	ND	µg/L
Disperse Blue 35	12222-75-2 56524-77-7	50	ND	µg/L
Disperse Blue 7	3179-90-6	50	ND	µg/L
Disperse Brown 1	23355-64-8	50	ND	µg/L
Disperse Orange 1	2581-69-3	50	ND	µg/L
Disperse Orange 3	730-40-5	50	ND	µg/L
Disperse Orange 37/59/76	13301-61-6	50	ND	µg/L
Disperse Red 1	2872-52-8	50	ND	µg/L
Disperse Red 11	2872-48-2	50	ND	µg/L
Disperse Red 17	3179-89-3	50	ND	µg/L
Disperse Yellow 1	119-15-3	50	ND	µg/L
Disperse Yellow 3	2832-40-8	50	ND	µg/L
Disperse Yellow 39	12236-29-2	50	ND	µg/L
Disperse Yellow 49	54824-37-2	50	ND	µg/L
Disperse Yellow 9	6373-73-5	50	ND	µg/L



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9. Flame retardants

Test method information:

Borate salt: determined as total boron via ICP analysis.

Other flame retardant substances: With reference to USEPA 8270E, ISO 22032, USEPA 527 and USEPA 8321B, Dichloromethane extraction GC-MS or LC-MS-MS analysis.

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
Boric acid **	10043-35-3; 11113-50-1	500 in Boron	ND	µg/L
Diboron trioxide **	1303-86-2	500 in Boron	ND	µg/L
Disodium octaborate **	12008-41-2	500 in Boron	ND	µg/L
Disodium tetraborate anhydrous **	1303-96-4; 1330-43-4	500 in Boron	ND	µg/L
Tetraboron disodium heptaoxide, hydrate **	12267-73-1	500 in Boron	ND	µg/L
Hexabromocyclododecane (HBCDD)	3194-55-6	25	ND	µg/L
2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	25	ND	µg/L
Polybromobiphenyls (PBBs)	59536-65-1	25	ND	µg/L
Monobromobiphenyls (MonoBB)	Multiple	25	ND	µg/L
Monobromodiphenylethers (MonoBDEs)	Multiple	25	ND	µg/L
Dibromobiphenyls (DiBB)	Multiple	25	ND	µg/L
Dibromopropylether	21850-44-2	25	ND	µg/L
Tribromodiphenylethers (TriBDEs)	Multiple	25	ND	µg/L
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	25	ND	µg/L
Pentabromodiphenyl ether (PentaBDE)	32534-81-9	25	ND	µg/L
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	25	ND	µg/L
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	25	ND	µg/L
Octabromobiphenyls (OctaBB)	Multiple	25	ND	µg/L
Octabromodiphenyl ether (OctaBDE)	32536-52-0	25	ND	µg/L
Nonabromobiphenyls (NonaBB)	Multiple	25	ND	µg/L



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Nonabromodiphenyl ether (NonaBDE)	63936-56-1	25	ND	µg/L
Decabromobiphenyl (DecaBB)	13654-09-6	25	ND	µg/L
Decabromodiphenyl ether (DecaBDE)	1163-19-5	25	ND	µg/L
Tetrabromobisphenol A (TBBPA)	79-94-7	25	ND	µg/L
Bis(2,3-dibromopropyl) phosphate (BDBPP)	5412-25-9	25	ND	µg/L
Tris-(2-chloro-1-methylethyl) phosphate (TCPP)	13674-84-5	25	ND	µg/L
Tris(1-aziridinyl)phosphine oxide (TEPA)	545-55-1	25	ND	µg/L
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	25	ND	µg/L
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	25	ND	µg/L
Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	25	ND	µg/L

\*\* Report total boron directly, no conversion from Boron salt.

### 10. Glycols / Glycol Ethers

Test method information:

All tests: With reference to US EPA 8270E, Liquid extraction, LC-MS or GC-MS analysis.

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
2-ethoxyethanol	110-80-5	50	ND	µg/L
2-ethoxyethyl acetate	111-15-9	50	ND	µg/L
2-methoxyethanol	109-86-4	50	ND	µg/L
2-methoxyethylacetate	110-49-6	50	ND	µg/L
2-methoxypropylacetate	70657-70-4	50	ND	µg/L
Bis(2-methoxyethyl)-ether	111-96-6	50	ND	µg/L
Ethylene glycol dimethyl ether	110-71-4	50	ND	µg/L
Triethylene glycol dimethyl ether	112-49-2	50	ND	µg/L

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11. Halogenated solvents

Test method information:

**All tests:** With reference to USEPA 8260D, Headspace GC-MS or Purge and trap GC-MS analysis.

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
1,2-Dichloroethane	107-06-2	1	ND	µg/L
Methylene chloride	75-09-2	1	ND	µg/L
Tetrachloroethylene	127-18-4	1	ND	µg/L
Trichloroethylene	79-01-6	1	ND	µg/L

12. Organotin compounds

Test method information:

**All tests:** With reference to ISO 17353, Derivatisation with NaB (C<sub>2</sub>H<sub>5</sub>)<sub>4</sub>, with GC-MS analysis.

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
Dipropyltin compounds (DPT)	Multiple including 867-36-7	0.01	ND	µg/L
Mono-, di- and tri-butyltin derivatives	Multiple including 1118-46-3; 1461-22-9	0.01	ND	µg/L
Mono, di-, and tri-methyltin derivatives	Multiple including 993-16-8; 753-73-1; 1066-45-1	0.01	ND	µg/L
Mono, di-, and tri-octyltin derivatives	Multiple including 3091-25-6; 3542-36-7; 2587-76-0	0.01	ND	µg/L
Mono, di-, and tri-phenyltin derivatives	Multiple including 1124-19-2; 1135-99-5; 639-58-7	0.01	ND	µg/L
Tetrabutyltin compounds (TeBT)	Multiple including 1461-25-2	0.01	ND	µg/L



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Tetraethyltin Compounds (TeET)	Multiple including 597-64-8	0.01	ND	µg/L
Tetraoctyltin compounds (TeOT)	Multiple including 3590-84-9	0.01	ND	µg/L
Tricyclohexyltin (TCyHT)	Multiple including 3091-32-5	0.01	ND	µg/L
Tripropyltin Compounds (TPT)	Multiple including 2279-76-7	0.01	ND	µg/L

13. Other/Miscellaneous Chemicals

Test method information:

Others: With reference to Liquid extraction, LC-MS-MS analysis.

Borate salt: determined as total boron and total zinc via ICP analysis.

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
AEEA [2-(2-aminoethylamino)ethanol]	111-41-1	500	ND	µg/L
Bisphenol A	80-05-7	10	ND	µg/L
Borate, zinc salt ^^	12767-90-7	100 in Boron & 100 in Zinc	Boron: ND Zinc: ND	µg/L
Quinoline	91-22-5	50	ND	µg/L
Thiourea	62-56-6	50	ND	µg/L

^^ = Report total boron & total zinc individually, and no conversion from boron / zinc salt.

14. Perfluorinated & polyfluorinated chemicals (PFCs)

Test method information:

PFCs PFOA: With reference to EPA 537:2020 with LC-MSMS with acetic anhydride followed by GC-MS

PFOA: With reference to BS EN 12673-1999, EPA 8270, GC-MS, Derivatization with acetic anhydride followed by GCMS

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
Perfluorooctane sulfonate (PFOS) and related substances	Multiple including 1763-23-1	0.01	ND	µg/L



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Perfluorooctanoic acid (PFOA) and related Substances	Multiple including 335-67-1	1	ND	µg/L
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15. Phthalates – including all other esters of ortho-phthalic acid

Test method information:

All tests: With reference to USEPA 8270E, ISO 18856, Dichloromethane extraction GC-MS analysis.

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
1,2-benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich (DIHP)	71888-89-6	10	ND	µg/L
1,2-benzenedicarboxylic acid, di-C7-11- branched and linear alkyl esters (DHNUP)	68515-42-4	10	ND	µg/L
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	10	ND	µg/L
Butyl benzyl phthalate (BBP)	85-68-7	10	ND	µg/L
Di-cyclohexyl phthalate (DCHP)	84-61-7	10	ND	µg/L
Di-iso-decyl phthalate (DIDP)	26761-40-0	10	ND	µg/L
Di-iso-octyl phthalate (DIOP)	27554-26-3	10	ND	µg/L
Di-isobutyl phthalate (DIBP)	84-69-5	10	ND	µg/L
Di-isononyl phthalate (DINP)	28553-12-0	10	ND	µg/L
Di-n-hexyl phthalate (DnHP)	84-75-3	10	ND	µg/L
Di-n-octyl phthalate (DNOP)	117-84-0	10	ND	µg/L
Di-n-pentylphthalates	131-18-0	10	ND	µg/L
Di-n-propyl phthalate (DPRP)	131-16-8	10	ND	µg/L
Di(ethylhexyl) phthalate (DEHP)	117-81-7	10	ND	µg/L
Dibutyl phthalate (DBP)	84-74-2	10	ND	µg/L
Diethyl phthalate (DEP)	84-66-2	10	ND	µg/L
Diisopentylphthalates	605-50-5	10	ND	µg/L
Dinonyl phthalate (DNP)	84-76-4	10	ND	µg/L



**SOFTLINES WASTEWATER TESTING**  
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16. Polycyclic aromatic hydrocarbons (PAHs)

Test method information:

All tests: With reference to US EPA 8270E, DIN 38407-39, solvent extraction GC-MS analysis.

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
Acenaphthene	83-32-9	1	ND	µg/L
Acenaphthylene	208-96-8	1	ND	µg/L
Anthracene	120-12-7	1	ND	µg/L
Benzo[a]anthracene	56-55-3	1	ND	µg/L
Benzo[a]pyrene (BaP)	50-32-8	1	ND	µg/L
Benzo[b]fluoranthene	205-99-2	1	ND	µg/L
Benzo[e]pyrene	192-97-2	1	ND	µg/L
Benzo[ghi]perylene	191-24-2	1	ND	µg/L
Benzo[j]fluoranthene	205-82-3	1	ND	µg/L
Benzo[k]fluoranthene	207-08-9	1	ND	µg/L
Chrysene	218-01-9	1	ND	µg/L
Dibenz[a,h]anthracene	53-70-3	1	ND	µg/L
Fluoranthene	206-44-0	1	ND	µg/L
Fluorene	86-73-7	1	ND	µg/L
Indeno[1,2,3-cd]pyrene	193-39-5	1	ND	µg/L
Naphthalene	91-20-3	1	ND	µg/L
Phenanthrene	85-01-8	1	ND	µg/L
Pyrene	129-00-0	1	ND	µg/L

17. Restricted Aromatic Amines (Cleavable from Azo-colourants)

Test method information:

With reference to reduction step with sodium dithionite, solvent extraction, EPA 8270E and ISO 14362-1 with GC-MS and LC-MS-MS analysis.

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
2-Naphthylamine	91-59-8	0.1	ND	µg/L
2-Naphthylammoniumacetate	553-00-4	0.1	ND	µg/L
2,4-Xylidine	95-68-1	0.1	ND	µg/L
2,4,5-Trimethylaniline	137-17-7	0.1	ND	µg/L
2,4,5-Trimethylaniline hydrochloride	21436-97-5	0.1	ND	µg/L
2,6-Xylidine	87-62-7	0.1	ND	µg/L
3,3'-Dichlorobenzidine	91-94-1	0.1	ND	µg/L
3,3'-Dimethoxybenzidine	119-90-4	0.1	ND	µg/L



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3,3'-Dimethylbenzidine	119-93-7	0.1	ND	µg/L
4-Aminoazobenzene	60-09-3	0.1	ND	µg/L
4-Aminodiphenyl	92-67-1	0.1	ND	µg/L
4-Chloro-o-toluidine	95-69-2	0.1	ND	µg/L
4-Chloro-o-toluidinium chloride	3165-93-3	0.1	ND	µg/L
4-Chloroaniline	106-47-8	0.1	ND	µg/L
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisoole sulphate	39156-41-7	0.1	ND	µg/L
4-methoxy-m-phenylenediamine	615-05-4	0.1	ND	µg/L
4-methyl-m-phenylenediamine	95-80-7	0.1	ND	µg/L
4,4'-Methylene-bis(2-chloroaniline)	101-14-4	0.1	ND	µg/L
4,4'-methylenedi-o-toluidine	838-88-0	0.1	ND	µg/L
4,4'-methylenedianiline	101-77-9	0.1	ND	µg/L
4,4'-Oxydianiline	101-80-4	0.1	ND	µg/L
4,4'-Thiodianiline	139-65-1	0.1	ND	µg/L
5-Nitro-o-toluidine	99-55-8	0.1	ND	µg/L
6-methoxy-m-toluidine	120-71-8	0.1	ND	µg/L
Benzidine	92-87-5	0.1	ND	µg/L
o-Aminoazotoluene	97-56-3	0.1	ND	µg/L
o-Anisidine	90-04-0	0.1	ND	µg/L
o-Toluidine	95-53-4	0.1	ND	µg/L

18. UV Absorbers

Test method information:

All tests: With reference to USEPA 8270, ISO 22032, USEPA 527 and USEPA 8321B, dichloromethane extraction GC-MS or LC-MS-MS analysis.

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	100	ND	µg/L
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	100	ND	µg/L
2-benzotriazol-2-yl-4,6-ditertbutylphenol (UV-320)	3846-71-7	100	ND	µg/L



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2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl) phenol (UV-327)	3864-99-1	100	ND	µg/L
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### 19. Volatile organic compounds (VOCs)

Test method information:

Benzene: ISO 11423-1, Headspace or Purge and trap, GC-MS analysis.

m-cresol: USEPA 8270, Headspace or Purge and trap, GC-MS analysis.

o-cresol: USEPA 8270, Headspace or Purge and trap, GC-MS analysis.

p-cresol: USEPA 8270, Headspace or Purge and trap, GC-MS analysis.

Xylene: USEPA 8270, Headspace or Purge and trap, GC-MS analysis.

Toluene: ISO 11423-1, Headspace or Purge and trap, GC-MS analysis.

Chemical substances	CAS no.	ZDHC reporting limit (µg/L)	Untreated wastewater	Unit
Benzene	71-43-2	1	ND	µg/L
m-cresol	108-39-4	1	ND	µg/L
o-cresol	95-48-7	1	ND	µg/L
p-cresol	106-44-5	1	ND	µg/L
Toluene	108-88-3	1	ND	µg/L
Xylene	1330-20-7	1	ND	µg/L

### 20. Heavy metals

Test method information:

All heavy metals, except Chromium (VI): ISO 17294

Chromium (VI): ISO 18412

Chemical substances	Limit			Legal * Requirement	Lab reporting limit (mg/L)	Discharged wastewater	Unit
	Foundational	Progressive	Aspirational				
Chromium (VI)	0.05 mg/L	0.005 mg/L	0.001 mg/L	N/A	0.001	ND	mg/L
Arsenic	0.05 mg/L	0.01 mg/L	0.005 mg/L	N/A	0.005	ND	mg/L
Cadmium	0.1 mg/L	0.05 mg/L	0.01 mg/L	N/A	0.01	ND	mg/L
Lead	0.1 mg/L	0.05 mg/L	0.01 mg/L	N/A	0.01	ND	mg/L
Mercury	0.01 mg/L	0.005 mg/L	0.001 mg/L	N/A	0.001	ND	mg/L

\* Regulation/Standard information for discharged wastewater as well as the limitation value (or contractual limit value agreed by CETP) for the required parameters (mandatory).



**SOFTLINES WASTEWATER TESTING**  
**TEST REPORT (TEXTILES)**

Number: BRA20250904-1

**Sample / Sludge**

Sludge flux (weight/time) and / or flow data volume/time: 3.71 ton

1. Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers

Test method information:

With reference to USEPA 3540/3541, USEPA 3550, ISO 18857-2, ASTM D7065, ISO 18254-1, with GC-MS and LC-MS-MS analysis.

Chemical substances	CAS no.	ZDHC reporting limit (Dry weight) (mg/kg)	Sludge (Dry weight)	Unit
Nonylphenol ethoxylates (NPEO)	9016-45-9; 26027-38-3; 37205-87-1; 68412-54-4; 127087-87-0	0.4	ND	mg/kg
Nonylphenol (NP), mixed isomers	104-40-5; 11066-49-2; 25154-52-3; 84852-15-3	0.4	ND	mg/kg
Octylphenol ethoxylates (OPEO)	9002-93-1; 9036-19-5; 68987-90-6	0.4	ND	mg/kg
Octylphenol (OP), mixed isomers	140-66-9; 1806-26-4; 27193-28-8	0.4	ND	mg/kg

2. Polycyclic aromatic hydrocarbons (PAHs)

Test method information:

All tests: With reference to US EPA 3540/3541, US EPA 3550, US EPA 3640, US EPA 827, with GC-MS analysis.

Chemical substances	CAS no.	ZDHC reporting limit (Dry weight) (mg/kg)	Sludge (Dry weight)	Unit
Acenaphthene	83-32-9	0.2	ND	mg/kg
Acenaphthylene	208-96-8	0.2	ND	mg/kg
Anthracene	120-12-7	0.2	ND	mg/kg
Benzo[a]anthracene	56-55-3	0.2	ND	mg/kg
Benzo[a]pyrene (BaP)	50-32-8	0.2	ND	mg/kg
Benzo[b]fluoranthene	205-99-2	0.2	ND	mg/kg
Benzo[e]pyrene	192-97-2	0.2	ND	mg/kg
Benzo[ghi]perylene	191-24-2	0.2	ND	mg/kg
Benzo[j]fluoranthene	205-82-3	0.2	ND	mg/kg
Benzo[k]fluoranthene	207-08-9	0.2	ND	mg/kg



**SOFTLINES WASTEWATER TESTING**  
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Chrysene	218-01-9	0.2	ND	mg/kg
Dibenz[a,h]anthracene	53-70-3	0.2	ND	mg/kg
Fluoranthene	206-44-0	0.2	ND	mg/kg
Fluorene	86-73-7	0.2	ND	mg/kg
Indeno[1,2,3-cd]pyrene	193-39-5	0.2	ND	mg/kg
Naphthalene	91-20-3	0.2	ND	mg/kg
Phenanthrene	85-01-8	0.2	ND	mg/kg
Pyrene	129-00-0	0.2	ND	mg/kg

3. Chlorotoluenes

Test method information:

Other isomers of mono-, di-, tri-, tetra- and penta- chlorotoluene: With reference to US EPA 3540/3541, US EPA 3550, US EPA 3650, US EPA 827, with GC-MS analysis.

Chemical substances	CAS no.	ZDHC reporting limit (Dry weight) (mg/kg)	Sludge (Dry weight)	Unit
Other isomers of mono-, di-, tri-, tetra- and penta- chlorotoluene	Multiple	0.2	ND	mg/kg

4. Heavy metals

Test method information:

Other heavy metals: USEPA 3050 + USEPA 6020B

Chromium VI: USEPA 3060A + USEPA 7196

Mercury: USEPA 3051A + USEPA 6020B

Chemical substances	ZDHC reporting limit (Dry weight) (mg/kg)	Lab reporting limit (Dry weight) (mg/kg)	Sludge (Dry weight)	Unit
Antimony	5	5	ND	mg/kg
Arsenic	5	5	ND	mg/kg
Barium	200	200	10.86	mg/kg
Cadmium	1	1	ND	mg/kg
Cobalt	400	400	ND	mg/kg
Copper	50	50	8.52	mg/kg
Lead	5	5	<b>15.82</b>	mg/kg
Nickel	20	20	14.79	mg/kg
Selenium	5	5	<b>26.87</b>	mg/kg
Silver	50	50	ND	mg/kg
Zinc	400	400	69.85	mg/kg
Total Chromium	50	50	7.12	mg/kg



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Chromium (VI)	20	20	ND	mg/kg
Mercury	1	1	ND	mg/kg

5. Conventional parameters

Test method information:

pH: USEPA SW 9045D

Faecal Coliform: USEPA 1681

% Solids: USEPA 160.3

Paint Filter Test: USEPA 9095B

Chemical substances	Lab reporting limit (Dry weight)	Sludge (Dry weight)	Unit
pH	N/A	9.01	N/A
Faecal Coliform	N/A	ND	MPN/g
% Solids	N/A	23.74	%
Paint Filter Test ^	N/A	Pass	N/A

^ - Report "Pass" when Paint Filter Test does not contain free liquid; Report "Fail" when Paint Filter Test does contain free liquid.

6. Anions

Test method information:

Cyanide: USEPA 9013 + USEPA 9213

Chemical substances	Lab reporting limit (Dry weight) (mg/kg)	Sludge (Dry weight)	Unit
Cyanide	N/A	ND	mg/kg



**SOFTLINES WASTEWATER TESTING**  
**TEST REPORT (TEXTILES)**

Number: BRA20250904-1

7. Leachate heavy metals

Test method information:

Other metals: EPA 1311 followed by Acid digestion EPA 3051A, with ICP-OES, ICP-MS or , ISO 11885, ISO 17294-2, USEPA 200.7, USEPA 200.8, USEPA 6010c, USEPA 6020a analysis.

Chromium VI: With reference to toxicity leachate extraction procedure EPA 1311 followed by ISO 18412, USEPA 7196 or USEPA 7199 Colourimetric UV/VIS, or Colourimetric IC analysis.

Mercury: With reference to toxicity leachate extraction procedure EPA 1311 followed by acid digestion EPA 7471b , EPA 3051a with ISO 12846 or ISO 17852, EPA 6020b CVAA or ICP MS analysis.

Chemical substances	Lab reporting limit (mg/L)	Sludge	Unit
Arsenic	0.5	N/A	mg/L
Cadmium	0.15	N/A	mg/L
Total Chromium	5	N/A	mg/L
Lead	0.5	ND	mg/L
Antimony	0.6	N/A	mg/L
Barium	35	N/A	mg/L
Cobalt	80	N/A	mg/L
Copper	10	N/A	mg/L
Nickel	3.5	N/A	mg/L
Selenium	0.5	ND	mg/L
Silver	5	N/A	mg/L
Zinc	50	N/A	mg/L
Chromium (VI)	2.5	N/A	mg/L
Mercury	0.05	N/A	mg/L



**SOFTLINES WASTEWATER TESTING**  
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Appendix 1: reference to ZDHC WWSG v2.2 Table 4B

Parameters	Total metals and anions threshold values (mg/kg)	Disposal pathways						
		A and B (Leachate result in mg/L)	C (Leachate result in mg/L)	D (Leachate result in mg/L)	E (Leachate result in mg/L)	F (Leachate result in mg/L)	G (Leachate result in mg/L)	G (Maximum total metals limit in mg/kg)
Antimony	12	Not applicable	Not applicable	7.8	0.6	0.6	0.6	Not applicable
Arsenic	10			2.75	0.5	0.5	0.5	41
Barium	700			67.5	35	35	35	500
Cadmium	3			0.58	0.15	0.15	0.15	39
Cobalt	1600			80	80	80	80	Not applicable
Copper	200			17.5	10	10	10	1500
Lead	10			2.75	0.5	0.5	0.5	400
Nickel	70			11.75	3.5	3.5	3.5	420
Selenium	10			0.75	0.5	0.5	0.5	36
Silver	100			5	5	5	5	Not applicable
Zinc	1000			50	50	50	50	2800
Total Chromium	100			5	5	5	5	1200
Chromium VI	50			3.75	2.5	2.5	2.5	50
Mercury	1	1.25	0.5	0.5	0.5	17		

Appendix 2: reference to ZDHC WWSG v2.2 Table 4C

Parameters	Disposal pathways					
	A and B	C	D	E	F	G
pH	Not applicable	Not applicable	5 – 11 s.u.	5 – 11 s.u.	6.5 – 9 s.u.	6.5 – 9 s.u.
Fecal Coliform (MPN/g)	Not applicable	Not applicable	Not applicable	Not applicable	< 1000 (MPN/g)	< 1000 (MPN/g)
% Solids	Sample and report only					
Paint Filter Test	Not applicable	Not applicable	Pass Paint filter test			
Cyanide	Not applicable	Not applicable	85 mg/kg	70 mg/kg	70 mg/kg	70 mg/kg



## SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number: BRA20250904-1

Photo of sampling points:

Untreated wastewater

Date & Time: 11/07/25, 15:10 p.m



Discharged wastewater

Date & Time: 11/07/25, 15:00 p.m



Sludge

Date & Time: 11/07/25, 14:00 p.m



**SOFTLINES WASTEWATER TESTING**  
**TEST REPORT (TEXTILES)**

Number: BRA20250904-1

Photo of samples:

Untreated wastewater

Date & Time: 12/07/25, 08:00 a.m



Discharged wastewater

Date & Time: 12/07/25, 08:00 a.m



Sludge

Date & Time: 12/07/25, 08:00 a.m



SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number: BRA20250904-1

Attachment – sampling protocol for wastewater & sludge

**intertek ZDHC Monitoring**  
Total Quality Assured.

**Sampling Protocol for Wastewater and Sludge acc. ZDHC SAP 2.1\* incl. Apdx. E**  
(Protocolo de Amostragem para Águas Residuais e Lodo)

**Facility Name** (Nome da instalação): Visunha Têxtil S/A - Unidade de Monacamaí - CE  
**Address and Contact:** (Endereço e contato): Rod. DR. Manoel Steinhilberch, s/n, Km 04, Setor S1, Distrito Industrial I. Monacamaí - CE, Cep. 61939-260

**Facility type:** (tick all applicable) (Tipo de instalação: (Marque todos os aplicáveis))  
 Dyeing and Finishing (Tingimento e Acabamento)  Fabric Mill (Fábrica de tecidos)  Laundry, Washing and Finishing (Lavanderia, lavagem e acabamento)  Natural Leather processing (Couro natural em processamento)  Printing (Estamparia)  Synthetic Leather processing (Processamento de couro sintético)

**Date of sampling:** (Data da coleta): 11.07.2025  
**Sample General ID** (if applicable): (ID geral da amostra (se aplicável))  
 direct discharge (descarga direta)  indirect discharge (descarga indireta)  Zero Liquid Discharge (ZLD) (descarga líquida zero)  MMCF (fibras celulósicas sintéticas)  
 with pre-treatment (com pré-tratamento)  without treatment (sem tratamento)  with own ETP (com ETP próprio)  
**Discharge to:** (descarga para) Rede coletora

**Discharge description:** (Descrição da descarga): A descarga vai para a rede coletora da Companhia de águas e esgoto do Ceará (Comunicações)  
**Weather conditions:** (Condições do tempo) on sampling day: (No dia da amostragem) ensolarado on day before: (No dia anterior) nublado

\*) Changes from ZDHC Wastewater Guidelines V2.2 (September 2024) are implemented. (As alterações das Diretrizes de Águas Residuais do ZDHC V2.2 (setembro de 2024) estão implementadas)

**Sample Type and Details (see also page 2)**  
(Tipo de amostra e detalhes)

Discharge Wastewater (Descarga de águas residuais)  direct: (direta) or  indirect: (indireta)  
 Enter sampling times in Sample Details (page 2), (Insira os tempos de amostragem em Detalhes da amostra pag. 2) and measure field parameters. (e os parâmetros de campo medidos)  
 Enter sampling time(s) for Indirect discharge. Field parameters are not required, except on client's request. (Insira o(s) tempo(s) de amostragem para descarga indireta. Parâmetros de campo não são obrigatórios, exceto a pedido do cliente)  
 Facility has WWTP (A instalação tem WWTP)  Plant is in operating condition (A planta está em condições operacionais)  
 with Equalisation Tank (HT) present: (com Tanque de Equalização (HT) presente) Hydraulic Retention Time (HRT): 68.75h (Tempo de retenção hidráulica) (= Volume of tank [m³] / Flow rate [m³/h]) (= Volume do tanque [m³] / vazão [m³/h])  
 If HRT > 12h, grab sampling from EQT is allowed. (Se HRT > 12h, amostra única do tanque de equalização é permitida)

Pre-treated WW without sludge (Águas residuais pré tratada sem lodo)  Untreated WW (Aguas residuais não tratadas)  with Equalization Tank (HT) present (com Tanque de Equalização (HT) presente) HRT: 0.37h (= Volume of tank [m³] / Flow rate [m³/h]) (Se HRT > 12h, amostra única do tanque de equalização é permitida)  Incoming Water (Água de entrada)  MMCF (fibras celulósicas sintéticas)

Sludge with below disposal pathway<sup>1)</sup>: (Lodo, abaixo os tipos de destinação\*)  
 age of sludge: 7 days / weeks (idade do lodo) (dias / semanas)

A >1000 °C on-site or off-site incineration (Incineração no local ou externa)  B Landfill with significant control (Aterro com controle significativo)  C Building products processed >1000 °C (Produtos de construção processados > 1000°C)  D Landfill with limited control (Aterro com controle limitado)  E Off-site incineration / Building products processed <1000 °C (Incineração fora/ Produtos de construção processados)  F Landfill with no control (Aterro sem controle)  G Land application for specific purpose in approved areas (Aplicação de terra para fins específicos em áreas aprovadas)

<sup>1)</sup> if supplier cannot provide information, pathway "F" shall be assumed. (caso o fornecedor não possa fornecer as informações, o item "F" será considerado)

**Sludge volume generated:** 3.71 m³/h OL/sec  other unit (specify): Ton  per facility info (informado pela instalação)  measured (medido)  estimated (estimado)

Process Chemical (Processo químico)  Liquid (líquido)  solid (powder / granulate / pieces) (sólido (pó/ granulado/ pedaços))  from running in process (processo em execução)  from warehouse/storage (do depósito/armazenamento)

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## SOFTLINES WASTEWATER TESTING TEST REPORT (TEXTILES)

Number: BRA20250904-1

### intertek ZDHC Monitoring

Times of sampling (horário da amostragem)  (if applicable) (se aplicável)  ③ (for direct discharge, see below) (para descarga direta, ver abaixo)	Untreated: (Não tratado)	1	2	3	4	5	6	7	or Grab (HRT>12h) (Amostra única)
	Discharged WW(indirect)②: (Descarga WW indireta)		9:00	10:00	11:00	12:00	13:00	14:00	15:00
Incoming②: (Entrada)									or Grab (HRT>12h) (Amostra única)
Sludge (liquid): (Lodo (líquido))									Solid sludge: (Lodo sólido) 14.00

② (Take grab sample for tap water, river water, and industrial treated river water without EQT; recycled water from EQT < 12h must be composite)  
(coletar amostras únicas de água de torneira, água de rio com tratamento industrial sem EQT; água reciclada do EQT < 12h deve ser composta)

Picture ID (or Date & Time / Interval): (ID da foto (ou data e hora/intervalo)) BRA20250711-0900T01500	GPS coordinates of sampling points: (Coordenadas do GPS dos pontos de amostragem)
Incoming W.: (Água de entrada)	Lat.: ON OS ..... Long.: OE OW .....
Untreated WW.: (Efluente não tratado)	Lat.: ON OS 3° 52' 22" S Long.: OE OW 38° 35' 56" W
Discharged WW.: (Descarga WW)	Lat.: ON OS 3° 52' 24" S Long.: OE OW 38° 35' 57" W
Sludge: (Lodo)	Lat.: ON OS 3° 52' 24" S Long.: OE OW 38° 35' 57" W

Sample Details (Detalhes da amostra) Field parameters usually are required only for direct discharge. If client requests also for indirect discharge, use below fields.  
(Parâmetros do campo geralmente são necessários apenas para descarga direta. Se o cliente solicitar também descarga indireta, use os campos abaixo)

<input checked="" type="checkbox"/> Composite Sample (Amostra composta)	<input type="checkbox"/> Grab Sample (only allowed from EQT of Effluent with HRT>12h) (Amostra única) (somente permitido a partir da EQT de efluentes com HRT>12h) (enter data in column for Averaged Readings and in field at right) (insira os dados na coluna para leitura médias e o campo a direita)	Volume of aliquot(s): (Volume de alíquota(s)) 3000 ml
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Time④ of discrete Discharged WW sample (horário da coleta da amostra da descarga WW)	1	2	3	4	5	6	7	Averaged Readings or Grab Sample readings (leitura médias ou amostra única)
pH:	8.91	8.87	8.84	8.74	8.66	8.49	8.41	8.67
Temp. WW discharge of (Descarga do efluente)	28.6 °C	28.4 °C	28.7 °C	28.6 °C	28.1 °C	28.3 °C	28.7 °C	28.4 °C
(Temp. receiving water de) (água não tratado)	37.4 °C	38.4 °C	37.9 °C	38.2 °C	38.0 °C	37.8 °C	37.6 °C	37.9 °C
Flow rate: (quociente de vazão)	133 l/s	1150 m³/d avg						
Dissolved Oxygen: (Oxigênio dissolvido)	2.41 mg/L	4.66 mg/L	4.74 mg/L	4.86 mg/L	3.99 mg/L	4.70 mg/L	4.81 mg/L	4.31 mg/L
Total Chlorine: (Cloro Total)	0.0 mg/L							
Persistent foam: (Espuma persistente)	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no (sim/não)							

④ time when discrete sample for composite was taken. Use comment field if number of samples is greater than seven, or if above fields are otherwise not sufficient.  
(tempo quando a amostra composta foi coletada. Use o campo de comentário se o número de amostras for maior que sete, ou se os campos acima não forem suficientes)  
Note: 1.0 m³/h = 0.277 l/s; 1.0 l/s = 36.4 m³/d; 1 m³/h = 0.042 m³/s; multiply the flow rate in m³/h by the daily operation time of the ETP to get flow rate in m³/d  
(Nota: 1.0 m³/h = 0.277 l/s; 1.0 l/s = 36.4 m³/d; 1 m³/h = 0.042 m³/s; multiplique pela vazão em m³/h pelo tempo diário de operação da ETE para obter a vazão em m³/d)

Sampling procedure: (Procedimento de amostragem)  automated sampling (amostragem automática)  with beaker/bowl (com copo/recipiente)  other: (outro)

Wastewater Flow Data (Discharge WW) (Dados de fluxos de águas residuais- Descarga WW)			
System: (Sistema)	<input checked="" type="checkbox"/> Flow meter (in facility) (medidor de vazão, na instalação)	<input type="checkbox"/> Pipe (O) (tubo)	<input type="checkbox"/> Flume (U) (calha)
Diameter [cm] (Diâmetro)			
Water Depth [cm] (Profundidade da água)			
Flow Speed [cm/sec] (Velocidade do fluxo)			



**SOFTLINES WASTEWATER TESTING**  
**TEST REPORT (TEXTILES)**

Number: BRA20250904-1

**intertek ZDHC Monitoring**  
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**General Field Parameters and Sensory Data** (enter as far as applicable)  
 (parâmetros gerais de campo e dados sensoriais, insira caso seja aplicável)

Type	T ambient air [°C] (Temp. ambiente do ar)	Odour (Odor)	Colour (Cor)	Foaming (Formação de espuma)	Floating matter (Material flutuante)
Incoming (Entrada)				<input type="radio"/> yes <input type="radio"/> no (sim/não)	<input type="radio"/> yes <input type="radio"/> no (sim/não)
Untreated (Não tratado)	30.0	Característico	Azul	<input type="radio"/> yes <input checked="" type="radio"/> no (sim/não)	<input type="radio"/> yes <input checked="" type="radio"/> no (sim/não)
Discharged WW (Descarga WW)	30.0	Característico	Verde	<input type="radio"/> yes <input checked="" type="radio"/> no (sim/não)	<input type="radio"/> yes <input checked="" type="radio"/> no (sim/não)
Sludge (Lodo)	30.0	Característico	Preto		

**Field Testing QA/QC**  
 (Teste de campo QA/QC)

Parameter (Parâmetro)	Lab Control Sample target value (Valor alvo da amostra de controle de laboratório)	Lab Control Sample measured value (Valor medido da amostra de controle de laboratório)	Accuracy [%] (Exatidão)
pH	4.0, 7.0, 10.0	6.09, 7.08, 10.03	100.0, 101.1, 100.3
Total Chlorine (Cloro total)	0.1, 1.50	0.09, 1.44	90.0, 96.0

**Other observations:**  
 (outras observações)

**Additional notes** (e.g., alternatively measured flow and readings, abbreviations used, etc):  
 (Notas adicionais, por exemplo, vazão e leituras medidas alternativamente, abreviações usadas etc.)

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SOFTLINES WASTEWATER TESTING  
TEST REPORT (TEXTILES)

Number: BRA20250904-1

**intertek** ZDHC Monitoring  
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**ZDHC Wastewater Sampling - Facility Confirmation**  
(Amostragem de efluentes ZDHC - Confirmação da instalação)

The Wastewater samples have been collected under the facility's normal production scale and wastewater flow rate. The sampler listed below was on-site and collected the samples.  
(As amostras de águas residuais foram coletadas na escala de produção e fluxo de águas residuais normais da instalação. O amostrador listado abaixo esteve no local e coletou as amostras.)

Sampling person (name & email address):  
(Amostrador, nome e endereço de e-mail)  
ALEXANDRE DE JESUS SANTOS  
alexandre.santos@intertek.com

Facility Name:  
(Nome da instalação)  
Vicunha Textil S/A - Unidade de Maracanaú-CE

Sampler's ZDHC accreditation no.:  
(Número do certificado do amostrador no ZDHC)  
ZDHC-A-23-E-C001068-R324A-69F41

Facility's Representative name:  
(Nome do representante da instalação)  
*Carlos Eduardo Dantas*

Sampler's Signature:  
(Assinatura do amostrador)  
*[Signature]*

Facility's Representative Signature and Stamp:  
(Assinatura e carimbo do representante da instalação)  
*Carlos Eduardo Dantas*  
Supervisor de Utilidades ETAIETE

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End of report

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