



ENVIROCHECK

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Certified by ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007



TEST REPORT

FORMAT NO : ENV/EM/38

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 21.02.2020
		Period of Analysis	: 22.02.2020 - 24.02.2020
		Date of Issue	: 26.02.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Source Emission
Sample ID No.	: ENV/27/Feb./A/I	Report No.	: ENV/27/Feb./TR(A)/I/19-20

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

StackAttached to	:	Cement & Fly Ash Feeding Section			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	15.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.40
Capacity	:	10 Ton/hr. (Running Load - 06 Ton/hr.)	Height of sampling port (mtr.) (from G.L.)	:	8.4
Emission Due to	:	Process Activity (Feeding of Raw Materials)			
Fuel Used	:	N.A.	Permanent Platform & Ladder	:	Yes
Working Fuel Consumption	:	Nil			
Pollution Control Device	:	Bag Filter			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 34.0
2.	Barometric Pressure	mm of Hg.	--	: 756.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 8.57
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 3740.13
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 12.40

Remarks :

Reviewed By:

Approved By:

DURBADAL CHAKRABORTY
Dy. Quality Manager



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TEST REPORT

FORMAT NO : ENV/FM/38

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 21.02.2020
		Period of Analysis	: 22.02.2020 - 24.02.2020
		Date of Issue	: 26.02.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Source Emission
Sample ID No.	: ENV/27/Feb./A/II	Report No.	: ENV/27/Feb./TR(A)/II/19-20

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

StackAttached to	:	Edge Runner Mill BOD (Bag Open Device & Slurry Mixing)			
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	15.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.30
Capacity	:	03 Ton/hr. (Running - 03 Ton/hr.)	Height of sampling port (mtr.) (from G.L.)	:	8.4
Emission Due to	:	Process Activity			
Fuel Used	:	N.A.	Permanent Platform & Ladder	:	Yes
Working Fuel Consumption	:	Nil			
Pollution Control Device	:	Bag Filter and West Scrubber			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	29.2
2.	Barometric Pressure	mm of Hg.	---	756.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	16.04
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	3829.48
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	1.4

Remarks :

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TEST REPORT

FORMAT NO.: ENV/FM/38

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 21.02.2020
		Period of Analysis	: 22.02.2020 - 24.02.2020
		Date of Issue	: 26.02.2020
Sampling Plan & Procedure	: ENV/SOP/D1	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Source Emission
Sample ID No.	: ENV/27/Feb./A/III	Report No.	: ENV/27/Feb./TR(A)/III/19-20

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: D. G. Set - 725 KVA
Shape of Stack	: Circular
Materials of Construction	: M.S.
Capacity	: 725 KVA
Emission Due to	: Combustion of H.S.D
Fuel Used	: 145 litr./hr.
Working Fuel Consumption	: Nil
Pollution Control Device	: Nil
Height of Stack (mtr.) (from G. L.)	: 12.50
Stack I.D. at sampling point (mtr.)	: 0.20
Height of sampling port (mtr.) (from G.L.)	: 8.40
Permanent Platform & Ladder	: Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 169.0
2.	Barometric Pressure	mm of Hg.	--	: 756.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 13.74
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 1040.94
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 115.66
6.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 7.8
7.	Concentration of CO	% (v/v)	IS 13270 1992 RA 2003	: <1.0
3.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 61.45

Remarks :

Reviewed By:

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TEST REPORT

FORMAT NO : ENV/EM/38

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmari Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 21.02.2020
		Period of Analysis	: 22.02.2020 - 24.02.2020
		Date of Issue	: 26.02.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Source Emission
Sample ID No.	: ENV/27/Feb./A/IV	Report No.	: ENV/27/Feb./TR(A)/IV/19-20

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Pulverized Section (No.1)	Height of Stack (mtr.) (from G. L.)	: 15.0
Shape of Stack	: Circular	Stack I.D. at sampling point (mtr.)	: 0.254
Materials of Construction	: M.S.	Height of sampling port (mtr.) (from G.L.)	: --
Capacity	: 2.0 MT/hr.		
Emission Due to	: Pulverizing of Waste Materials		
Fuel Used	: N.A.	Permanent Platform & Ladder	: Yes
Working Fuel Consumption	: Nil		
Pollution Control Device	: Nil		

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	48.0
2.	Barometric Pressure	mm of Hg.	--	756.0
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	17.23
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	2903.24
5.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	10.08

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TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	Ranico Industries Ltd.	Type of Industry	Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	Vill - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	21.02.2020 - 22.02.2020
		Period of Analysis	22.02.2020 - 24.02.2020
		Date of Issue	26.02.2020
Sampling Plan & Procedure	ENV/SOP/01	Deviation from the Sampling Method and Plan	No
		Type of Sample	Source Emission
Sample ID No.	ENV/27/Feb./A/V	Report No.	ENV/27/Feb./A/V/19-20

A) GENERAL INFORMATION

1. Location of Sampling : Near Main Gate
2. Duration of Sampling : 24 hrs. (10:00 a.m. - 10:00 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 24.0
2. Average Relative Humidity (%) : 68.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	52.50
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	80.76
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	6.80
4.	Concentration of NO _x	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	26.02
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	0.16
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec. 11 (Vol. 11.07) : 2011	<0.36
8.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec. 11 (Vol. 11.07) : 2011	<0.74
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, Issue 2	<4.18
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C : 2017	<0.01

Remarks :

Reviewed By :

Approved By :

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TEST REPORT

FORMAT NO.: ENV/EM/17

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmara Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 21.02.2020 - 22.02.2020
		Period of Analysis	: 22.02.2020 - 24.02.2020
		Date of Issue	: 26.02.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Source Emission
Sample ID No.	: ENV/27/Feb./A/VI	Report No.	: ENV/27/Feb./A/VI/19-20

A) GENERAL INFORMATION

1. Location of Sampling : Near Stock Yard
2. Duration of Sampling : 24 hrs. (10:20 a.m. - 10:20 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 24.0
2. Average Relative Humidity (%) : 68.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	56.29
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	86.11
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	6.12
4.	Concentration of NO _x	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005: Sec. 11 (Vol. 11.07) : 2011	24.96
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	0.18
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec. 11 (Vol. 11.07) : 2011	<0.36
9.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec. 11 (Vol. 11.07) : 2011	<0.74
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<4.18
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C : 2017	<0.01

Remarks :

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TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 21.02.2020 - 22.02.2020
		Period of Analysis	: 22.02.2020 - 24.02.2020
		Date of Issue	: 26.02.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Source Emission
Sample ID No.	: ENV/27/Feb./A/VII	Report No.	: ENV/27/Feb./A/VII/19-20

A) GENERAL INFORMATION

1. Location of Sampling : Back Side of the Plant
2. Duration of Sampling : 24 hrs. (10:40 a.m. - 10:40 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 24.0
2. Average Relative Humidity (%) : 68.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C) RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	51.70
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	80.10
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	5.90
4.	Concentration of NO _x	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	19.93
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	<0.1
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec. 11 (Vol. 11.07) : 2011	<0.36
9.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec. 11 (Vol. 11.07) : 2011	<0.74
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<4.18
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C : 2017	<0.01

Remarks :

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TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, Paschim Medinipur - 721304	Sampling Date	: 21.02.2020 - 22.02.2020
		Period of Analysis	: 22.02.2020 - 24.02.2020
		Date of Issue	: 26.02.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Source Emission
Sample ID No.	: ENV/27/Feb./A/VIII	Report No.	: ENV/27/Feb./A/VIII/19-20

A] GENERAL INFORMATION

1. Location of Sampling : Near Scrap Yard
2. Duration of Sampling : 24 hrs. (11:00 a.m. - 11:00 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 24.0
2. Average Relative Humidity (%) : 68.0
3. Barometric Pressure (mm of Hg) : 756.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	58.40
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	89.25
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	6.12
4.	Concentration of NO _x	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	23.55
5.	Concentration of CO	mg/m ³	IS 5182 (Part 10): 1999 reaffirmed 2005 & ASTM D 3162-94 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	0.16
6.	Concentration of Pb	µg/m ³	IS 5182 (Part 22) 2004	<0.01
7.	Benzo (a) Pyrene (BaP)	ng/m ³	IS 5182 (Part 12) : 2004 & ASTM D 6209-98 reapproved 2004 : Sec. 11 (Vol. 11.07) : 2011	<0.36
9.	Benzene (C ₆ H ₆)	µg/m ³	IS 5182 (Part 11) 2006 & ASTM D 5466-01 reapproved 2007 : Sec. 11 (Vol. 11.07) : 2011	<0.74
9.	Ozone (O ₃)	µg/m ³	IS 5182 (Part-IX) : 1974	<10.0
10.	Ammonia (NH ₃)	µg/m ³	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015, issue 2	<4.18
11.	Nickel (Ni)	ng/m ³	EPA IO 3.2, 1999	<0.02
12.	Arsenic (As)	ng/m ³	EPA IO 3.2, 1999, APHA 23 rd Ed 3114C : 2017	<0.01

Remarks :

Reviewed By :

DURBADAL CHAKRABORTY
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FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, PaschimMedinipur - 721304	Sampling Date	: 22.02.2020
		Period of Analysis	: 22.02.2020 - 12.03.2020
		Date of Issue	: 12.03.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap of Quality Control Lab	ULR No.	: TC601420000000051F

PARAMETERS		METHOD	UNIT	RESULTS	LIMIT (IS 10500:2012)	
					Acceptable	Permissible
1.	Colour	IS 3025 (Part 4): 1983, RA 2012	--	1.0	5.0	15.0
2.	Odour	IS 3025 (Part 5): 1983, RA 2012	--	Odourless	Agreeable	Agreeable
3.	pH	IS 3025 (Part 11): 1984, RA 2012	--	6.01	6.5-8.5	No Relaxation
4.	Taste	IS 3025 (Part 7 and 8): 1983, RA 2012	--	Acceptable	Agreeable	Agreeable
5.	Turbidity	IS 3025 (Part 10): 1984, RA 2012	NTU	<1.0	1.0	5.0
6.	Total Dissolved Solids	IS 3025 (Part 16): 1984, RA 2014	mg./l	92.0	500.0	2000.0
7.	Aluminium	IS 15302: 2003, RA 2014	mg./l	<0.02	0.03	0.2
8.	Calcium	IS 3025 (Part 40): 1991, RA 2014	mg./l	18.4	75.0	200.0
9.	Chloride	IS 3025 (Part 32): 1988, RA 2014	mg./l	18.99	250.0	1000.0
10.	Iron	IS 3025 (Part 53): 2003, RA 2014	mg./l	0.10	1.0*	No Relaxation
11.	Magnesium	IS 3025 (Part 46): 1994, RA 2014	mg./l	3.84	30.0	100.0
12.	Manganese	IS 3025 (Part 59): 2006, RA 2012	mg./l	<0.05	0.1	0.3
13.	Nitrate	IS 3025 (Part 34): 1988, RA 2014	mg./l	2.50	45.0	No Relaxation
14.	Sulphate	IS 3025 (Part 24): 1986, RA 2014	mg./l	10.0	0.05	No Relaxation
15.	Total Alkalinity	IS 3025 (Part 23): 1986, RA 2014	mg./l	64.0	200.0	600.0
16.	Total Hardness (as CaCO ₃)	IS 3025 (Part 21): 2009, RA 2014	mg./l	62.0	200.0	600.0
17.	Zinc	IS 3025 (Part 49): 1994, RA 2014	mg./l	0.20	5.0	15.0
18.	Mercury	IS 3025 (Part 48): 1994, RA 2009	mg./l	<0.001	0.001	No Relaxation
19.	Arsenic	IS 3025 (Part 37): 1988, RA 2014	mg./l	<0.01	0.01	No Relaxation*
20.	Chromium	IS 3025 (Part 52): 2003, RA 2014	mg./l	<0.02	N.A.	N.A.
21.	Silica	APIHA 23 rd Ed., 4500 SiO ₂ -C/F: 2017	mg./l	5.23	N.A.	N.A.

Remarks: a) Result shows that all parameters are within limit as per IS: 10500 - 2012.

b) N.A. means Not Available.

c) The (*) marked limit are as per IS:10500-2012 - Drinking Water Specification, Amendment No.1, June'2015.

Reviewed By:

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By:

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemicals

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Certified by ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007



FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit		
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, PaschimMedinipur - 721304	Sampling Date	: 22.02.2020		
		Period of Analysis	: 22.02.2020 - 24.02.2020		
		Date of Issue	: 12.03.2020		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Drinking Water
Location	: Tap of Quality Control Lab	ULR No.	: TC601420000000051F		

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT as per IS 10500, 2012
1. Total Coliform	9222 B, APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample
2. E. Coli	9222 I, APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample

Remarks : a) Result shows that all parameters are within limit as per IS : 10500 - 2012.
b) CFU indicates Colony Forming Unit.

Reviewed By :

DURBADAL CHAKRABORTY
Ly. Quality Manager

Approved By :

PRIYANKA MUKHERJEE
Technical Manager, Microbiology



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FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, PaschimMedinipur - 721304	Sampling Date	: 22.02.2020
		Period of Analysis	: 22.02.2020 - 12.03.2020
		Date of Issue	: 12.03.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap of Guest House	ULR No.	: TC601420000000052F

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT (IS 10500:2012)	
				Acceptable	Permissible
1. Colour	IS 3025 (Part 4): 1983, RA 2012	--	1.0	5.0	15.0
2. Odour	IS 3025 (Part 5): 1983, RA 2012	--	Odourless	Agreeable	Agreeable
3. pH	IS 3025 (Part 11): 1984, RA 2012	--	6.05	6.5-8.5	No Relaxation
4. Taste	IS 3025 (Part 7 and 8): 1983, RA 2012	--	Acceptable	Agreeable	Agreeable
5. Turbidity	IS 3025 (Part 10): 1984, RA 2012	NTU	<1.0	1.0	5.0
6. Total Dissolved Solids	IS 3025 (Part 16): 1984, RA 2014	mg/l	96.0	500.0	2000.0
7. Aluminium	IS 15302: 2003, RA 2014	mg/l	<0.02	0.03	0.2
8. Calcium	IS 3025 (Part 40): 1991, RA 2014	mg/l	19.2	75.0	200.0
9. Chloride	IS 3025 (Part 32): 1988, RA 2014	mg/l	18.99	250.0	1000.0
10. Iron	IS 3025 (Part 53): 2003, RA 2014	mg/l	0.13	1.0*	No Relaxation
11. Magnesium	IS 3025 (Part 46): 1994, RA 2014	mg/l	2.88	30.0	100.0
12. Manganese	IS 3025 (Part 59): 2006, RA 2012	mg/l	<0.05	0.1	0.3
13. Nitrate	IS 3025 (Part 34): 1988, RA 2014	mg/l	2.50	45.0	No Relaxation
14. Sulphate	IS 3025 (Part 24): 1986, RA 2014	mg/l	12.50	0.05	No Relaxation
15. Total Alkalinity	IS 3025 (Part 23): 1986, RA 2014	mg/l	62.0	200.0	600.0
16. Total Hardness (as CaCO ₃)	IS 3025 (Part 21): 2009, RA 2014	mg/l	60.0	200.0	600.0
17. Zinc	IS 3025 (Part 49): 1994, RA 2014	mg/l	0.23	5.0	15.0
18. Mercury	IS 3025 (Part 48): 1994, RA 2009	mg/l	<0.001	0.001	No Relaxation
19. Arsenic	IS 3025 (Part 37): 1988, RA 2014	mg/l	<0.01	0.01	No Relaxation*
20. Chromium	IS 3025 (Part 52): 2003, RA 2014	mg/l	<0.02	N.A.	N.A.
21. Silica	APHA 23rd Ed., 4500 SiO ₂ -C/F: 2017	mg/l	5.14	N.A.	N.A.

Remarks: a) Result shows that all parameters are within limit as per IS: 10500 - 2012.

b) N.A. means Not Available.

c) The (*) marked limit are as per IS:10500-2012 - Drinking Water Specification, Amendment No.1, June 2015.

Reviewed By:

[Signature]

DURBADAL CHAKRABORTY
Dy. Quality Manager

Approved By:

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INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

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Certified by ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007



FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, PaschimMedinipur - 721304	Sampling Date	: 22.02.2020
		Period of Analysis	: 22.02.2020 - 24.02.2020
		Date of Issue	: 12.03.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap of Guest House	ULR No.	: TC601420000000052F

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT as per IS 10500, 2012
1. Total Coliform	9222 B, APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample
2. E. Coli	9222 I, APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample

Remarks: a) Result shows that all parameters are within limit as per IS: 10500 - 2012.
b) CFU indicates Colony Forming Unit.

Reviewed By:

DURBADAL CHAKRABORTY
"Dy. Quality Manager"

Approved By:

PRIYANKA MUKHERJEE
Technical Manager, Microbiology



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FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, PaschimMedinipur - 721304	Sampling Date	: 22.02.2020
		Period of Analysis	: 22.02.2020 - 12.03.2020
		Date of Issue	: 12.03.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap Inside the Plant	ULR No.	: TC601420000000053F

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT (IS 10500:2012)	
				Acceptable	Permissible
1. Colour	IS 3025 (Part 4) : 1983, RA 2012	--	1.0	5.0	15.0
2. Odour	IS 3025 (Part 5) : 1983, RA 2012	--	Odourless	Agreeable	Agreeable
3. pH	IS 3025 (Part 11) : 1984, RA 2012	--	6.56	6.5-8.5	No Relaxation
4. Taste	IS 3025 (Part 7 and 8) : 1983, RA 2012	--	Acceptable	Agreeable	Agreeable
5. Turbidity	IS 3025 (Part 10) : 1984, RA 2012	NTU	<1.0	1.0	5.0
6. Total Dissolved Solids	IS 3025 (Part 16) : 1984, RA 2014	mg/l	162.0	500.0	2000.0
7. Aluminium	IS 15302: 2003, RA 2014	mg/l	<0.02	0.03	0.2
8. Calcium	IS 3025 (Part 40) : 1991, RA 2014	mg/l	19.2	75.0	200.0
9. Chloride	IS 3025 (Part 32) : 1988, RA 2014	mg/l	17.99	250.0	1000.0
10. Iron	IS 3025 (Part 53) : 2003, RA 2014	mg/l	0.23	1.0*	No Relaxation
11. Magnesium	IS 3025 (Part 46) : 1994, RA 2014	mg/l	3.84	30.0	100.0
12. Manganese	IS 3025 (Part 59) : 2006, RA 2012	mg/l	<0.05	0.1	0.3
13. Nitrate	IS 3025 (Part 34) : 1988, RA 2014	mg/l	3.50	45.0	No Relaxation
14. Sulphate	IS 3025 (Part 24) : 1986, RA 2014	mg/l	20.0	0.05	No Relaxation
15. Total Alkalinity	IS 3025 (Part 23) : 1986, RA 2014	mg/l	70.0	200.0	600.0
16. Total Hardness (as CaCO ₃)	IS 3025 (Part 21) : 2009, RA 2014	mg/l	64.0	200.0	600.0
17. Zinc	IS 3025 (Part 49) : 1994, RA 2014	mg/l	0.80	5.0	15.0
18. Mercury	IS 3025 (Part 48) : 1994, RA 2009	mg/l	<0.001	0.001	No Relaxation
19. Arsenic	IS 3025 (Part 37) : 1988, RA 2014	mg/l	<0.01	0.01	No Relaxation*
20. Chromium	IS 3025 (Part 52) : 2003, RA 2014	mg/l	<0.02	N.A.	N.A.
21. Silica	APIIIA 23rd Ed., 4500 SiO ₂ -C/F : 2017	mg/l	5.98	N.A.	N.A.

Remarks: a) Result shows that all parameters are within limit as per IS : 10500 : 2012.

b) N.A. means Not Available.

c) The (*) marked limit are as per IS:10500:2012 - Drinking Water Specification, Amendment No.1, June 2015.

Reviewed By:

DURJADAL CHAKRABORTY
Dy. Quality Manager

Approved By:

INDRANI BHATTACHARYA
Dy. Technical Manager, Chem...

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FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, PaschimMedinipur - 721304	Sampling Date	: 22.02.2020
		Period of Analysis	: 22.02.2020 - 24.02.2020
		Date of Issue	: 12.03.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap Inside the Plant	ULR No.	: TC601420000000053F

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT as per IS 10500, 2012
1. Total Coliform	9222 B, APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample
2. E. Coli	9222 I, APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample

Remarks: a) Result shows that all parameters are within limit as per IS : 10500 - 2012.
b) CFU indicates Colony Forming Unit.

Reviewed By :

DURJADAL CHAKRABORTY
Dy. Quality Manager

Approved By :

Priyanka Mukherjee

PRIYANKA MUKHERJEE
Technical Manager, Microbiology



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FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, PaschimMedinipur - 721304	Sampling Date	: 22.02.2020
		Period of Analysis	: 22.02.2020 - 12.03.2020
		Date of Issue	: 12.03.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap of Quality Control Lab	ULR No.	: TC601420000000051F

PARAMETERS		METHOD	UNIT	RESULTS	LIMIT (IS 10500:2012)	
					Acceptable	Permissible
1.	Colour	IS 3025 (Part 4): 1983, RA 2012	--	1.0	5.0	15.0
2.	Odour	IS 3025 (Part 5): 1983, RA 2012	--	Odourless	Agreeable	Agreeable
3.	pH	IS 3025 (Part 11): 1984, RA 2012	--	6.01	6.5-8.5	No Relaxation
4.	Taste	IS 3025 (Part 7 and 8): 1983, RA 2012	--	Acceptable	Agreeable	Agreeable
5.	Turbidity	IS 3025 (Part 10): 1984, RA 2012	NTU	<1.0	1.0	5.0
6.	Total Dissolved Solids	IS 3025 (Part 16): 1984, RA 2014	mg./l	92.0	500.0	2000.0
7.	Aluminium	IS 15302: 2003, RA 2014	mg./l	<0.02	0.03	0.2
8.	Calcium	IS 3025 (Part 40): 1991, RA 2014	mg./l	18.4	75.0	200.0
9.	Chloride	IS 3025 (Part 32): 1988, RA 2014	mg./l	18.99	250.0	1000.0
10.	Iron	IS 3025 (Part 53): 2003, RA 2014	mg./l	0.10	1.0*	No Relaxation
11.	Magnesium	IS 3025 (Part 46): 1994, RA 2014	mg./l	3.84	30.0	100.0
12.	Manganese	IS 3025 (Part 59): 2006, RA 2012	mg./l	<0.05	0.1	0.3
13.	Nitrate	IS 3025 (Part 34): 1988, RA 2014	mg./l	2.50	45.0	No Relaxation
14.	Sulphate	IS 3025 (Part 24): 1986, RA 2014	mg./l	10.0	0.05	No Relaxation
15.	Total Alkalinity	IS 3025 (Part 23): 1986, RA 2014	mg./l	64.0	200.0	600.0
16.	Total Hardness (as CaCO ₃)	IS 3025 (Part 21): 2009, RA 2014	mg./l	62.0	200.0	600.0
17.	Zinc	IS 3025 (Part 49): 1994, RA 2014	mg./l	0.20	5.0	15.0
18.	Mercury	IS 3025 (Part 48): 1994, RA 2009	mg./l	<0.001	0.001	No Relaxation
19.	Arsenic	IS 3025 (Part 37): 1988, RA 2014	mg./l	<0.01	0.01	No Relaxation*
20.	Chromium	IS 3025 (Part 52): 2003, RA 2014	mg./l	<0.02	N.A.	N.A.
21.	Silica	APHA 23rd Ed., 4500 SiO ₂ -C/F: 2017	mg./l	5.23	N.A.	N.A.

Remarks: a) Result shows that all parameters are within limit as per IS: 10500 - 2012.

b) N.A. means Not Available.

c) The (*) marked limit are as per IS:10500-2012 - Drinking Water Specification, Amendment No.1, June'2015.

Reviewed By:

DURPADAL CHAKRABORTY
Dy. Quality Manager

Approved By:

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemical

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FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, PaschimMedinipur - 721304	Sampling Date	: 22.02.2020
		Period of Analysis	: 22.02.2020 - 24.02.2020
		Date of Issue	: 12.03.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap of Quality Control Lab	ULR No.	: TC601420000000051F

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT as per IS 10500, 2012
1. Total Coliform	9222 B, APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample
2. E. Coli	9222 I, APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample

Remarks : a) Result shows that all parameters are within limit as per IS : 10500 - 2012.
b) CFU indicates Colony Forming Unit.

Reviewed By :

DURBAN CHAKRABORTY
By Quality Manager

Approved By :

PRIYANKA MUKHERJEE
Technical Manager, Microbiology

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FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, PaschimMedinipur - 721304	Sampling Date	: 22.02.2020
		Period of Analysis	: 22.02.2020 - 12.03.2020
		Date of Issue	: 12.03.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
Location	: Tap of Guest House	Type of Sample	: Drinking Water
ULR No.	: TC601420000000052F		

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT (IS 10500: 2012)	
				Acceptable	Permissible
1. Colour	IS 3025 (Part 4) : 1983, RA 2012	--	1.0	5.0	15.0
2. Odour	IS 3025 (Part 5) : 1983, RA 2012	--	Odourless	Agreeable	Agreeable
3. pH	IS 3025 (Part 11) : 1984, RA 2012	--	6.05	6.5-8.5	No Relaxation
4. Taste	IS 3025 (Part 7 and 8) : 1983, RA 2012	--	Acceptable	Agreeable	Agreeable
5. Turbidity	IS 3025 (Part 10) : 1984, RA 2012	NTU	<1.0	1.0	5.0
6. Total Dissolved Solids	IS 3025(Part 16) : 1984, RA 2014	mg./l	96.0	500.0	2000.0
7. Aluminium	IS 15302: 2003, RA 2014	mg./l	<0.02	0.03	0.2
8. Calcium	IS 3025 (Part 40) : 1991, RA 2014	mg./l	19.2	75.0	200.0
9. Chloride	IS 3025 (Part 32) : 1988, RA 2014	mg./l	18.99	250.0	1000.0
10. Iron	IS 3025(Part 53) : 2003, RA 2014	mg./l	0.13	1.0*	No Relaxation
11. Magnesium	IS 3025 (Part 46) : 1994, RA 2014	mg./l	2.88	30.0	100.0
12. Manganese	IS 3025 (Part 59) : 2006, RA 2012	mg./l	<0.05	0.1	0.3
13. Nitrate	IS 3025 (Part 34) : 1988, RA 2014	mg./l	2.50	45.0	No Relaxation
14. Sulphate	IS 3025 (Part 24) : 1986, RA 2014	mg./l	12.50	0.05	No Relaxation
15. Total Alkalinity	IS 3025 (Part 23) : 1986, RA 2014	mg./l	62.0	200.0	600.0
16. Total Hardness (as CaCO ₃)	IS 3025 (Part 21) : 2009, RA 2014	mg./l	60.0	200.0	600.0
17. Zinc	IS 3025 (Part 49) : 1994, RA 2014	mg./l	0.23	5.0	15.0
18. Mercury	IS 3025 (Part 48) : 1994, RA 2009	mg./l	<0.001	0.001	No Relaxation
19. Arsenic	IS 3025 (Part 37) : 1988, RA 2014	mg./l	<0.01	0.01	No Relaxation*
20. Chromium	IS 3025 (Part 52) : 2003, RA 2014	mg./l	<0.02	N.A.	N.A.
21. Silica	APHA 23 rd Ed., 4500 SiO ₂ -C/F : 2017	mg./l	5.14	N.A.	N.A.

Remarks : a) Result shows that all parameters are within limit as per IS : 10500 - 2012.

b) N.A. means Not Available.

c) The (*) marked limit are as per IS:10500-2012 - Drinking Water Specification, Amendment No.1, June'2015.

Reviewed By :

Durbadal Chakraborty

DURBADAL CHAKRABORTY

Dy. Quality Manager

Approved By :

Indrani Bhattacharya

INDRANI BHATTACHARYA

Dy. Technical Manager, Chemical

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FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit		
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, PaschimMedinipur - 721304	Sampling Date	: 22.02.2020		
		Period of Analysis	: 22.02.2020 - 24.02.2020		
		Date of Issue	: 12.03.2020		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: Drinking Water
Location	: Tap of Guest House	ULR No.	: TC601420000000052F		

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT as per IS 10500, 2012
1. Total Coliform	9222 B, APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample
2. E. Coli	9222 I, APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample

Remarks : a) Result shows that all parameters are within limit as per IS : 10500 - 2012.
b) CFU indicates Colony Forming Unit.

Reviewed By :

DIPAK PAL CHAKRABORTY
Dy. Quality Manager

Approved By :

PRIYANKA MUKHERJEE
Technical Manager, Microbiology



ENVIROCHECK

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Accredited by NABL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007



FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, PaschimMedinipur - 721304	Sampling Date	: 22.02.2020
		Period of Analysis	: 22.02.2020 - 12.03.2020
		Date of Issue	: 12.03.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap Inside the Plant	ULR No.	: TC601420000000053F

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT (IS 10500:2012)	
				Acceptable	Permissible
1. Colour	IS 3025 (Part 4): 1983, RA 2012	--	1.0	5.0	15.0
2. Odour	IS 3025 (Part 5): 1983, RA 2012	--	Odourless	Agreeable	Agreeable
3. pH	IS 3025 (Part 11): 1984, RA 2012	--	6.56	6.5-8.5	No Relaxation
4. Taste	IS 3025 (Part 7 and 8): 1983, RA 2012	--	Acceptable	Agreeable	Agreeable
5. Turbidity	IS 3025 (Part 10): 1984, RA 2012	NTU	<1.0	1.0	5.0
6. Total Dissolved Solids	IS 3025 (Part 16): 1984, RA 2014	mg/l	162.0	500.0	2000.0
7. Aluminium	IS 15302: 2003, RA 2014	mg/l	<0.02	0.03	0.2
8. Calcium	IS 3025 (Part 40): 1991, RA 2014	mg/l	19.2	75.0	200.0
9. Chloride	IS 3025 (Part 32): 1988, RA 2014	mg/l	17.99	250.0	1000.0
10. Iron	IS 3025 (Part 53): 2003, RA 2014	mg/l	0.23	1.0*	No Relaxation
11. Magnesium	IS 3025 (Part 46): 1994, RA 2014	mg/l	3.84	30.0	100.0
12. Manganese	IS 3025 (Part 59): 2006, RA 2012	mg/l	<0.05	0.1	0.3
13. Nitrate	IS 3025 (Part 34): 1988, RA 2014	mg/l	3.50	45.0	No Relaxation
14. Sulphate	IS 3025 (Part 24): 1986, RA 2014	mg/l	20.0	0.05	No Relaxation
15. Total Alkalinity	IS 3025 (Part 23): 1986, RA 2014	mg/l	70.0	200.0	600.0
16. Total Hardness (as CaCO ₃)	IS 3025 (Part 21): 2009, RA 2014	mg/l	64.0	200.0	600.0
17. Zinc	IS 3025 (Part 49): 1994, RA 2014	mg/l	0.80	5.0	15.0
18. Mercury	IS 3025 (Part 48): 1994, RA 2009	mg/l	<0.001	0.001	No Relaxation
19. Arsenic	IS 3025 (Part 37): 1988, RA 2014	mg/l	<0.01	0.01	No Relaxation*
20. Chromium	IS 3025 (Part 52): 2003, RA 2014	mg/l	<0.02	N.A.	N.A.
21. Silica	APHA 23rd Ed., 4500 SiO ₂ -C/F: 2017	mg/l	5.98	N.A.	N.A.

Remarks: a) Result shows that all parameters are within limit as per IS: 10500 - 2012.

b) N.A. means Not Available.

c) The (*) marked limit are as per IS:10500-2012 - Drinking Water Specification, Amendment No.1, June 2015.

Reviewed By:

DURBADAI CHAKRABORTY
Dy. Quality Manager

Approved By:

INDRANI BHATTACHARYA
Dy. Technical Manager, Chemicals

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FORMAT NO. ENV/FM/55

TEST REPORT

Name of the Industry	: Ramco Industries Ltd.	Type of Industry	: Asbestos Cement Corrugated Sheet & Accessories Mfg. Unit
Address	: Vill. - Dewanmaro Ayma, P.O. - Hariatara, Kharagpur, PaschimMedinipur - 721304	Sampling Date	: 22.02.2020
		Period of Analysis	: 22.02.2020 - 24.02.2020
		Date of Issue	: 12.03.2020
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Drinking Water
Location	: Tap Inside the Plant	ULR No.	: TC601420000000053F

PARAMETERS	METHOD	UNIT	RESULTS	LIMIT as per IS 10500, 2012
1. Total Coliform	9222 B, APHA 23 rd Ed., 2017	CFU/100 ml.	<1.0	Shall not be detectable in any 100 ml sample
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Remarks : a) Result shows that all parameters are within limit as per IS : 10500 - 2012.
b) CFU indicates Colony Forming Unit.

Reviewed By :

DURBADAL CHAKRABORTY
Deputy Quality Manager

Approved By :

PRIYANKA MUKHERJEE
Technical Manager, Microbiology

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