



JR LABS

ENVIRONMENT & OCCUPATIONAL HEALTH SERVICES

Rated as 'No.1' Laboratory for Counting of Asbestos Fibre by Institute of Occupational Medicine, Edinburgh U.K., World Health Organization Collaborating Centre for Occupational Health.

To,

15.12.2023

The Dy. General Manager,
M/s. Ramco Industries Limited,
PLOT NO.12 A,
SIPCOT Industrial Growth Centre,
Gangaikondan,
Tirunelveli Dist.
Tamil Nadu - 627 352

Dear Sir,

Please find enclosed here with the results of Dust Samples of Work Place, Ambient Air and Stack **Collected and Analyzed** by J R LABS for Determination of Respirable Asbestos Fibre Concentration on **07th December 2023.**

Thanking You

Yours sincerely,

For J R LABS

Research Fibre Analyst



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REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

Project : M/s. Ramco Industries Limited, Plot No.12 A, Sipcot Industrial Growth Centre, Gangaikondan, Tirunelveli (Dist.) Tamil Nadu -627352

Sampler used : Samples collected by JR Labs Analyzed under : Olympus make, Japan, B X 40 Phase Contrast Microscope
using S K C : 224-PCXR8:II,
S K C : Side Kick 51Ex &
Spectro :SLE-PS-154:I

Flow rate : 1.0 L P M **Specifications** : As per A I A - R T M 1 & IS : 11450 - Membrane Filter Method

Sampling Duration : 60 minutes each

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV) AS PER MoEF & P C B = 0.1 fibre per cc of air.

Sl. No.	Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
1	07.12.2023	<u>Static</u> Fibre Godown	The Static sample is collected from the Fibre Godown where palletized Fibre bags are stored. Torn bags are taped. Wet moping done.	< 0.1 (0.072)	---
2	07.12.2023	<u>Personal</u> Edge Runner Mill – B O D	The worker carrying the Sampler was feeding fibre bags to the B O D through Slant Conveyor. Dust collector in operation.	< 0.1 (0.092)	---
3	07.12.2023	<u>Static</u> E R Mill – Wet Opener	B O D, E R Mill and Dust Collector in operation.	< 0.1 (0.056)	---

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REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

Project : M/s. Ramco Industries Limited, Plot No.12 A, Sipcot Industrial Growth Centre, Gangaikondan, Tirunelveli (Dist.) Tamil Nadu - 627 352

Sampler used : Samples collected by JR Labs using Envirotech : APM 800 – VIII, S K C : 224 - PCXR8 : I & Envirotech : APM 800 – I

Analyzed under : Olympus make, Japan, B X 40 Phase Contrast Microscope

Flow rate : 1.0 L P M

Specifications : As per A I A - R T M 1 & IS : 11450 - Membrane Filter Method

Sampling Duration : 60 minutes each

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV) AS PER MoEF & P C B = 0.1 fibre per cc of air.

Sl. No.	Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
4	07.12.2023	<u>Personal</u> Cutter Off.- S F Drum	The worker carrying the Sampler was cutting the Sheets at green stage on main Machine along with another worker.	< 0.1 (0.076)	---
5	07.12.2023	<u>Personal</u> Stripping	The worker carrying the Sampler was engaged in operation of Stripping Machine. The sample is collected during the production of F C C Sheets.	< 0.1 (0.088)	---
6	07.12.2023	<u>Personal</u> M G Section - Filing	The worker carrying the Sampler was filing SC-9 moulded articles Semi wet process.	< 0.1 (0.084)	---

For JR LABS

Research Fibre Analyst

B-305 & 309, Vasudha Apartments,
Quthubullapur Road, New Jeedimetla,
HYDERABAD - 500 067,
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AN ISO 9001 : 2008 CERTIFIED LAB

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Project : M/s. Ramco Industries Limited, Plot No.12 A, Sipcot Industrial Growth Centre, Gangaikondan, Tirunelveli (Dist.) Tamil Nadu - 627 352

Sampler used : Samples collected by J R Labs **Analyzed under** : Olympus make, Japan, B X 40 Phase Contrast Microscope
using Envirotech : APM 800 –VII,
Casella : AFC 123 &
Envirotech : APM 800 - IV

Flow rate : 1.0 L P M **Specification:** As per A I A - R T M 1 & IS : 11450 - Membrane Filter Method

Sampling Duration : 60 minutes each

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV) AS PER MoEF & P C B = 0.1 fibre per cc of air.

Sl. No.	Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
7	07.12.2023	<u>Personal</u> Pulverizer	The worker carrying the Sampler was feeding broken F C C Sheets through the Chute of Pulverizer.	< 0.1 (0.080)	---
8	07.12.2023	<u>Personal</u> Salvaging Section	The worker carrying the Sampler was reclaiming the Sheets. F C C rejected Sheets were getting reclaimed. Wet process.	< 0.1 (0.096)	---
9	07.12.2023	<u>Personal</u> Ball Mill	The worker carrying the Sampler was engaged in operation of Ball Mill including feeding of broken F C C Sheets.	< 0.1 (0.088)	---

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Project : M/s. Ramco Industries Limited, Plot No.12 A, Sipcot Industrial Growth Centre, Gangaikondan, Tirunelveli (Dist.) Tamil Nadu - 627 352

Sampler used : Samples collected by J R Labs **Analyzed under** : Olympus make, Japan, B X 40 Phase Contrast Microscope
using Casella : T13180 - II & SKC : AirLite

Flow rate : 1.0 L P M **Specifications** : As per A I A - R T M 1 & IS : 11450 - Membrane Filter Method

Sampling Duration : 60 minutes each

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV) AS PER MoEF & P C B = 0.1 fibre per cc of air.

Sl. No.	Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
10	07.12.2023	<u>Personal</u> Fork Lift Operator	The Fork Lift Operator carrying the Sampler was engaged in different work activities like; shifting of Sheets from Destacking area to Stock Yard during the period of sampling.	< 0.1 (0.080)	---
11	07.12.2023	<u>Personal</u> Q C Lab Assistant	The Q C Lab Assistant carrying the Sampler was engaged in different Lab Activities during the period of sampling.	< 0.1 (0.092)	---

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Project : M/s. Ramco Industries Limited, Plot No.12 A, Sipcot Industrial Growth Centre, Gangaikondan, Tirunelveli (Dist.) Tamil Nadu - 627 352

Sampler used : Samples collected by JR Labs **Analyzed under** : Olympus make, Japan, B X 40 Phase Contrast Microscope
using Envirotech : APM 800 – III &
Envirotech : APM 800 – V

Flow rate : 1.0 L P M **Specifications** : As per A I A - R T M 1 & IS : 11450 - Membrane Filter Method

Sampling Duration : 60 minutes each

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV) AS PER MoEF & P C B = 0.1 fibre per cc of air.

Sl. No.	Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
12	07.12.2023	<u>Static</u> Ambient Air: Near Main Gate – Security Office	The Static sample is collected from near the Main Gate - Security Office. The Plant was in production of F C C Sheets.	< 0.1 (0.028)	---
13	07.12.2023	<u>Static</u> Ambient Air: Near Stock Yard - Sheet Loading Area	The Static sample is collected from the Stock Yard - Sheet Loading Area. Sample is collected during loading of different sizes of F C C Sheets into the Truck.	< 0.1 (0.044)	---

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T C : December 2023 : Stack – E R M : A F C

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REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

FIBRE D E STACK

Project : M/s. Ramco Industries Limited, Plot No.12 A, Sipcot Industrial Growth Centre, Gangaikondan, Tirunelveli (Dist.) Tamil Nadu -627352

Sampler used : Envirotech VSS1 **Analyzed under** : Olympus make, Japan, B X 40 Phase Contrast Microscope

Flow rate : 10 L P M **Specifications** : As per A I A - R T M 1 IS:11450 & ISO:10397

Sampling Duration : 10 minutes **Membrane Filter Method**

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)
AS PER MoEF & P C B = 0.2 fibre per cc of air.

Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
07.12.2023	Fibre D E Stack connected to B O D - Edge Runner Mill	---	0.062	---

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T C : December 2023 : Stack – Pulverizer : A F C

15.12.2023

REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

FIBRE D E STACK

Project : M/s. Ramco Industries Limited, Plot No.12 A, Sipcot Industrial Growth Centre, Gangaikondan, Tirunelveli (Dist.) Tamil Nadu -627352

Sampler used : Envirotech VSS1 **Analyzed under** : Olympus make, Japan, B X 40 Phase Contrast Microscope

Flow rate : 10 L P M **Specifications** : As per A I A - R T M 1 IS:11450 & ISO:10397

Sampling Duration : 10 minutes **Membrane Filter Method**

PERMISSIBLE EXPOSURE LIMIT VALUE (PELV)
AS PER MoEF & P C B = 0.2 fibre per cc of air.

Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
07.12.2023	Fibre D E Stack connected to Pulverizer	---	0.079	---

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