

# 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.

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To,

19.07.2024

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,

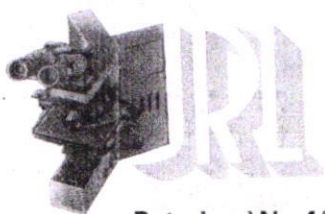
Please find enclosed here with the results of Dust Samples of Work Place, Ambient Air and Stack **Collected and Analyzed** by J R LABS for Determination of Respirable Asbestos Fibre Concentration on **09<sup>th</sup> July 2024.**

Thanking You

Yours sincerely,

For J R LABS

**Research Fibre Analyst**



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19.07.2024

### 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 **J R Labs** Analyzed under : Olympus make, Japan, B X 40 Phase Contrast Microscope  
using Casella : T13180 - II,  
S K C : 224- PCXR8 : I &  
Casella : AFC 123

**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	09.07.2024	<u>Static</u> Fibre Godown	The Static sample is collected from the Fibre Godown where palletized Fibre bags are stored. Torn bags are taped. During sampling, Sampler was placed on 6 D grade Fibre Pallet. Wet moping done.	< 0.1 (0.084)	---
2	09.07.2024	<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 (0.096)	---
3	09.07.2024	<u>Static</u> E R Mill - Wet Opener	B O D, E R Mill and Dust Collector in operation.	< 0.1 (0.072)	---

For J R LABS

Research Fibre Analyst

# B-305 & 309, Vasudha Apartments,  
Quthubullapur Road, New Jeedimetla,  
HYDERABAD - 500 067,  
TELANGANA, INDIA.



AN ISO 9001 : 2008 CERTIFIED LAB



☎ : 040-42300546, 27230750, 27230966

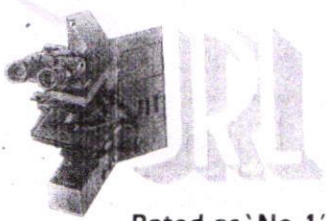
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### REPORT ON RESPIRABLE ASBESTOS FIBRE DUST CONCENTRATION

**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 **J R Labs** using Envirotech : APM 800 – V,  
Casella : T13180 - I &  
Envirotech : APM 800 – III

**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	09.07.2024	<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 (0.080)	---
5	09.07.2024	<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 (0.064)	---
6	09.07.2024	<u>Personal</u> M G Section - Moulding	The worker carrying the Sampler was making SC 2 R1 & R2 and SC 10 R1 & R2 types of moulded articles during the period of sampling. Semi wet process.	< 0.1 (0.076)	---

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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 **S K C : 224-PCXR8 : II**,  
**Envirotech : APM 800 - I &**  
**Envirotech : APM 800 - VII**

**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	09.07.2024	<u>Personal</u> Pulverizer	The worker carrying the Sampler was feeding broken F C C Sheets through the Chute of Pulverizer.	< 0.1 (0.088)	---
8	09.07.2024	<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 (0.092)	---
9	09.07.2024	<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 (0.044)	---

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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 **J R Labs** **Analyzed under** : Olympus make, Japan, B X 40 Phase Contrast Microscope  
using **S K C : Side Kick 51 Ex & S K C : 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	09.07.2024	<b>Personal</b> 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 (0.064)	---
11	09.07.2024	<b>Personal</b> 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 (0.076)	---

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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 **J R Labs** **Analyzed under** : Olympus make, Japan, B X 40 Phase Contrast Microscope  
using Envirotech : APM 800 – IV & 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

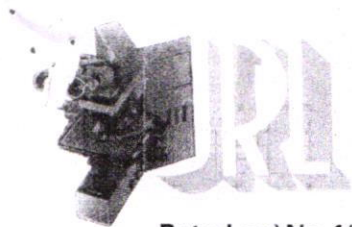
### PERMISSIBLE EXPOSURE LIMIT VALUE (PELV) AS PER MoEF & P C B = 0.1 fibre per cc of air.

Sl. No.	Date of sampling	Location	Condition	Dust concentration fibre /cc of air	Remarks
12	09.07.2024	<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 (0.052)	---
13	09.07.2024	<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 (0.080)	---

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T C : July 2024 : Stack – E R M : A F C

19.07.2024

### 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
09.07.2024	Fibre D E Stack connected to B O D - Edge Runner Mill	---	0.072	---

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T C : July 2024 : Stack – Pulverizer : A F C

19.07.2024

### 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
09.07.2024	Fibre D E Stack connected to Pulverizer	---	0.034	---

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