



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,

17.05.2023

The Asst. 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 **09th May 2023.**

Thanking You

Yours sincerely,

For J R LABS

Research Fibre Analyst



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.

17.05.2023

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 Spectro :SLE-PS-154:II,
S K C : 224-PCXR8:I &
Casella:T13180 - 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	09.05.2023	<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 (0.056)	---
2	09.05.2023	<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 (0.096)	---
3	09.05.2023	<u>Static</u> E R Mill - Wet Opener	B O D, E R Mill and Dust Collector in operation.	< 0.1 (0.068)	---

For JR LABS

Research Fibre Analyst



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.

17.05.2023

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 51Ex,**
Envirotech:APM 800 – VIII &
Envirotech:APM 800 – 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
4	09.05.2023	Personal 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 (0.036)	---
5	09.05.2023	Personal 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 (0.024)	---
6	09.05.2023	Personal M G Section - Moulding	The worker carrying the Sampler was making R1 & R2 moulded articles along with other workers. Semi wet process.	< 0.1 (0.032)	---

For J R LABS

Research Fibre Analyst



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.

17.05.2023

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 Analyzed under : Olympus make, Japan, B X 40 Phase Contrast Microscope
using Envirotech : APM 800 -VII,
Envirotech :APM 800-V &
Casella :AFC 123

Flow rate : 1.0 L P M **Specification:** As per A I A - R T M 1

Sampling Duration : 60 minutes each & IS : 11450 - Membrane Filter Method

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	09.05.2023	<u>Personal</u> Pulverizer	The worker carrying the Sampler was feeding broken F C C Sheets through the Chute of Pulverizer.	< 0.1 (0.092)	---
8	09.05.2023	<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 (0.088)	---
9	09.05.2023	<u>Static</u> Ball Mill	The Static Sample is Collected during Running of Ball Mill. Wet process.	< 0.1 (0.052)	---

For JR LABS

Research Fibre Analyst



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.

17.05.2023

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** **Analyzed under** : Olympus make, Japan, B X 40 Phase Contrast Microscope
using Envirotech:APM 800-III & 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	09.05.2023	<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 (0.040)	---
11	09.05.2023	<u>Personal</u> Q C Lab Assistant	The Q C Lab Asst. carrying the Sampler was engaged in different Lab Activities during the period of sampling.	< 0.1 (0.084)	---

For JR LABS

Research Fibre Analyst



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.

17.05.2023

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 Analyzed under : Olympus make, Japan, B X 40 Phase Contrast Microscope
using S K C : 224-PCXR8:II &
Spectro : SLE-PS-154:III

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	09.05.2023	<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 (0.044)	---
13	09.05.2023	<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 (0.040)	---

For JR LABS

Research Fibre Analyst



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.

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

17.05.2023

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
09.05.2023	Fibre D E Stack connected to B O D - Edge Runner Mill	---	0.158	---

For J R LABS

Research Fibre Analyst



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.

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

17.05.2023

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
09.05.2023	Fibre D E Stack connected to Pulverizer	---	0.091	---

For J R LABS

Research Fibre Analyst