

Job Card No: RDKL/2324/APP/J00010

Sample Requisition No: RDKL/APP/2324/SR00016

Parameter: PM<sub>10</sub> & PM<sub>2.5</sub>

Total no of samples: 3+1

Allocation Date: 29/09/2023

Due Date: 06/10/2023

Test Start Date: 03/10/2023

Test End Date: 04/10/2023

Name of Supervisor: Md. A. Rafique.

Test Method: IS 5182 (Part-23): 2006

S.No.	Sample code	Vol. of air (m <sup>3</sup> )	PM <sub>10</sub>		Result (µg/m <sup>3</sup> )
			F/P Initial wt (g)	F/P Final wt (g)	
01)	2324/RDKL/APP/PM/L00021	→ 456.0	i) 4.41467 ii) 4.41467	i) 4.42929 ii) 4.42929	= 32.06 = 32.0
02)	2324/RDKL/APP/PM/L00022	→ 468.0	i) 4.47616 ii) 4.47616	i) 4.49997 ii) 4.49997	= 50.87 = 51.0
03)	2324/RDKL/APP/PM/L00023	→ 449.0	i) 4.48393 ii) 4.48393	i) 4.49699 ii) 4.49699	= 29.08 = 29.0

Calculation: PM<sub>10</sub> (µg/m<sup>3</sup>) =  $\frac{F/P \text{ Final wt (g)} - F/P \text{ Initial wt (g)}}{\text{Vol. of air (m}^3\text{)}} \times 10^6$

Test Method: IS 5182 (Part-24) 2019

S.No.	Sample code	Vol. of air (m <sup>3</sup> )	PM <sub>2.5</sub>		Result (µg/m <sup>3</sup> )
			F/P Initial wt (g)	F/P Final wt (g)	
01)	2324/RDKL/APP/PM/L00024	= 20.51	i) 0.14411 ii) 0.14411	i) 0.14462 ii) 0.14462	= 24.86 = 25.0

Calculation: PM<sub>2.5</sub> (µg/m<sup>3</sup>) =  $\frac{F/P \text{ Final wt (g)} - F/P \text{ Initial wt (g)}}{\text{Vol. of air (m}^3\text{)}} \times 10^6$

29/09/23  
04/10/2023

Dr. Rafique  
04.10.23