

SR NO: RDKL/APP/2324/SR00060  
 SR00061  
 SR00062

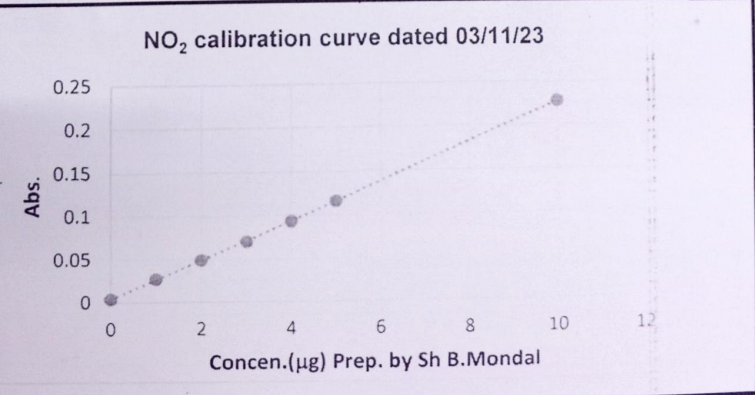
Test date: 15.11.23

Parameter: NO<sub>2</sub> (Amb.)

Supervisor: Md. A. Rafiqe

RDKL/APP/2324/SR00060, RDKL/APP/2324/SR00061, RDKL/APP/2324/SR00062,									
NO <sub>2</sub>									
Code	Time (mins)	Avg F/R (LPM)	T. sample (ml)	S. taken (ml)	Abs(s)	intercept	slope	Conc. (µg/m <sup>3</sup> )	
GN2/L00258	240	1.00	30	10	0.036	0.0039	0.022	21.85	22
GN2/L00259	216	1.00	30	10	0.021	0.0039	0.022	12.93	13
GN2/L00260	240	1.00	30	10	0.025	0.0039	0.022	14.36	14
GN2/L00261	210	1.00	30	10	0.054	0.0039	0.022	38.97	39
GN2/L00262	240	1.00	30	10	0.067	0.0039	0.022	42.94	43
GN2/L00263	213	1.00	30	10	0.037	0.0039	0.022	25.38	25
GN2/L00265	234	1.00	30	10	0.051	0.0039	0.022	32.87	33
GN2/L00266	219	1.00	30	10	0.036	0.0039	0.022	23.94	24
GN2/L00267	239	1.00	30	10	0.053	0.0039	0.022	33.55	34
GN2/L00268	209	1.00	30	10	0.103	0.0039	0.022	77.44	77
GN2/L00269	214	1.00	30	10	0.066	0.0039	0.022	47.40	47
GN2/L00270	246	1.00	30	10	0.053	0.0039	0.022	32.60	33
GN2/L00271	234	1.00	30	10	0.066	0.0039	0.022	43.34	43
GN2/L00272	216	1.00	30	10	0.048	0.0039	0.022	33.35	33
GN2/L00273	238	1.00	30	10	0.052	0.0039	0.022	33.01	33
GN2/L00274	210	1.00	30	10	0.091	0.0039	0.022	67.74	68
GN2/L00275	240	1.00	30	10	0.087	0.0039	0.022	56.55	57
GN2/L00276	210	1.00	30	10	0.032	0.0039	0.022	21.85	22
Blank					0.005				
Stand 4 µg					0.092				
GN2/L00268					0.101				

Conc.	Abs.(540nm)
0	0.004
1	0.027
2	0.049
3	0.07
4	0.093
5	0.116
10	0.228
slope	0.0224
Intercept	0.0039
correl.	1.0000



$$NO_2 (\mu g/m^3) = \left( \frac{Abs - Intercept}{Slope} \right) \times \frac{30000}{10} \times \frac{1}{vol \text{ of air} \times 0.82}$$

A. Mondal  
 15.11.23