

आवंटन तिथि: 06/11/2023

ए० आर० एफ० संख्या: RDKL/APP/2324/SR00029/30/31

क्रम संख्या: SR00029, 30, 31

पैरामीटर: NO₂

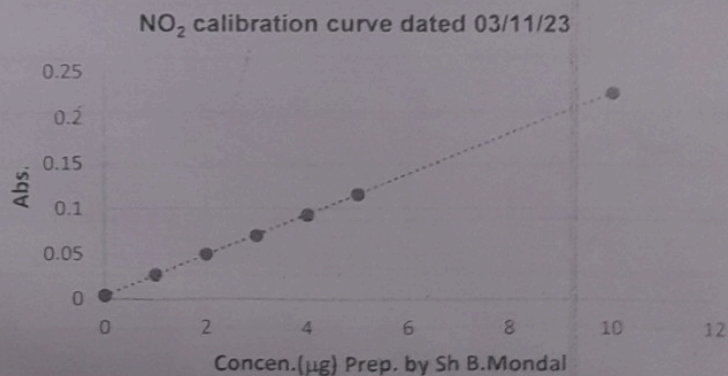
नमूना जांच की तिथि: 06/11/2023

कुल नमूनों की संख्या: 18

सुपरवाइजर का नाम: मौखण्ड रफीक

AAQM PRE DIWALI (NO ₂)(05-06.11.23)								
RDKL/APP/2324/SR0029, RDKL/APP/2324/SR0030, RDKL/APP/2324/SR0031,								
Sample Code	Abs. (540nm)	T.Sample (ml)	Samp. Taken (ml)	T.time (min)	Avg.flow(LPM)	slope	intercept	Concen.(µg/m ³)
Blank	0.005	30	10					
GN2/L00096	0.043	30	10	241	1	0.0224	0.0039	26
GN2/L00097	0.024	30	10	210	1	0.0224	0.0039	16
GN2/L00098	0.025	30	10	240	1	0.0224	0.0039	14
GN2/L00099	0.023	30	10	210	1	0.0224	0.0039	15
GN2/L00100	0.039	30	10	234	1	0.0224	0.0039	24
GN2/L00101	0.033	30	10	222	1	0.0224	0.0039	21
GN2/L00102	0.067	30	10	239	1	0.0224	0.0039	43
GN2/L00103	0.038	30	10	210	1	0.0224	0.0039	27
GN2/L00104	0.043	30	10	239	1	0.0224	0.0039	27
GN2/L00105	0.056	30	10	206	1	0.0224	0.0039	41
GN2/L00106	0.045	30	10	234	1	0.0224	0.0039	29
GN2/L00107	0.047	30	10	221	1	0.0224	0.0039	32
GN2/L00108	0.07	30	10	238	1	0.0224	0.0039	45
GN2/L00109	0.056	30	10	207	1	0.0224	0.0039	41
GN2/L00110	0.061	30	10	236	1	0.0224	0.0039	40
GN2/L00111	0.067	30	10	214	1	0.0224	0.0039	48
GN2/L00112	0.081	30	10	240	1	0.0224	0.0039	52
GN2/L00113	0.0229	30	10	210	1	0.0224	0.0039	15
RD/000096	0.043	30	10	241	1	0.0224	0.0039	26
Std 1µg	0.027	30	10					

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



$$NO_2 (\mu g/m^3) = \frac{\text{Absorbance} - \text{Intercept}}{\text{slope}} \times \frac{30000}{10} \times \frac{1}{\text{Vol. of Air}} \times \frac{1}{T. Time} \times \frac{1}{0.82}$$

Sh. B. Mondal