

SR NO: RDKL/FW/2324/SR00014

Test start date: 12.10.23

Test End date: 12.10.23

Parameter: Hexavalent Chromium

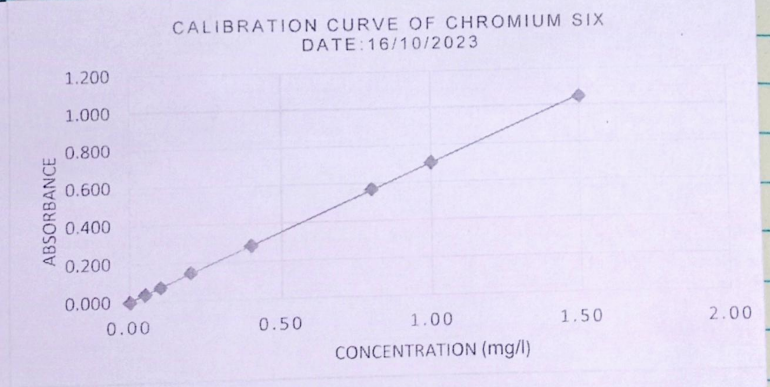
Allocation date: 06.10.23

Due date: 20.10.23

Name of the Supervisor: Md. A. Rafique

Sample Code	Volume of Sample	Absorbance (540nm)	Conc. (ug)	Result (mg/L)
Blank	100 ml	0.00	-	-
Standard 0.05 mg/L	100 ml	0.038	-	-
Std. 0.10 mg/L	"	0.073	-	-
Std. 0.20 "	"	0.146	-	-
Std. 0.40 "	"	0.282	-	-
Std. 0.80 "	"	0.567	-	-
Std. 1.00 "	"	0.703	-	-
Std. 1.50 "	"	1.045	-	-
2324/RDKL/FW/FW/L00010	100 ml	0.005	-	0.00158 (B/L)

Conc.(mg/l)	Abs.(540nm)
0.00	0.000
0.05	0.038
0.10	0.073
0.20	0.146
0.40	0.282
0.80	0.567
1.00	0.703
1.50	1.045
Slope	0.6970
Intercept	0.0039
Correlation	1.000



$$C_{t+B} = \frac{\text{Abs} - \text{Intercept}}{\text{Slope}} = \frac{\text{ug}}{100 \text{ ml}} = (\text{mg/L})$$

16.10.23
A. Mondal

Dr. Rafiq
16.10.23