

Sample Requisition - RDKL/WW/2324/SR00046

Test Parameter - Silica (Activated silica)

Date of Analysis - 5/1/24

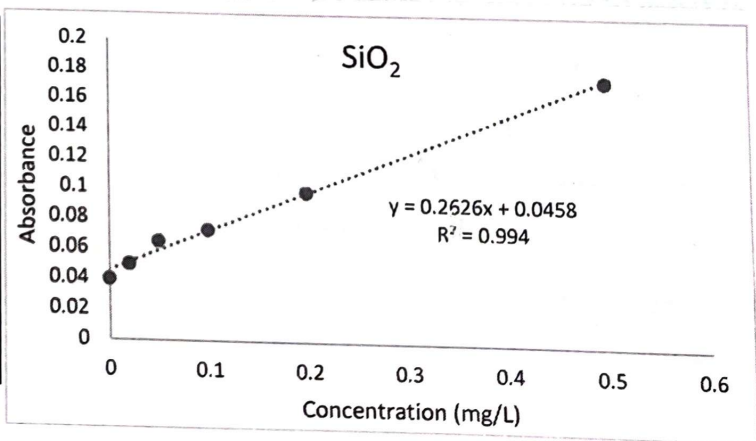
Test Material - Water

Name of Supervisor - Mr. Md. A. Rafique.

Sr. No.	Sample Code	Sample vol.	Dilution	Absorbance at 410 nm	Concentration (SiO <sub>2</sub> )
1	2324/RDKL/FW/105068	50	1	0.001	ND
2	?	50	1	0.000	ND

calculation: 
$$\text{SiO}_2 \text{ (mg/L)} = (\text{Absorbance} - \text{Intercept}) / \text{slope} \times \text{dilution factor}$$

Concentration (mg/L)	Absorption
0	0.04
0.02	0.05
0.05	0.065
0.1	0.073
0.2	0.099
0.5	0.176
Intercept	0.0458
Slope	0.2626



Test Parameter - Colour Retention Time :

In 500 ml sample add 1ml of conc. H<sub>2</sub>SO<sub>4</sub> & 0.2 ml KMnO<sub>4</sub>. Colour sample after mixing of KMnO<sub>4</sub> does not disappear for indicated period.

*[Signature]*  
30.01.24.