

Job Card No. - RDKL/2324/FW/J00261 & J00270

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Requisition No. - RDKL/FW/2324/SR00044 & SR00045

Parameter = DO

No. of Sample = 03

Date of collection = 13/12/2023

Date of analysis = 13/12/2023

Name of Supervisor = Md. A. Rafique

Parameter standardisation of sodium thiosulfate using  $KIO_3$  solution

S.No	Vol. of std. $KIO_3$ (ml)	Vol. of thiosulfate consumed (ml)			Difference (ml)	Strength of sodium thiosulfate
		I.R (ml)	F.R (ml)			
(1)	10 ml	0	5.0	5.0	= 0.025 N	
(2)	10 ml	5.0	10.0	5.0	= 0.025 N	

∴ Average conc of sodium thiosulfate solution = 0.025 N

Dissolved oxygen (DO)

(i) Sample code = 2324/RDKL/FW/FW/L00065

$$DO = \cancel{I.R} 0 (I.R) - 9.2 (F.R) = 9.2 \text{ mL} = 9.2 \text{ mg/L}$$

(ii) Sample code = 2324/RDKL/FW/FW/L00066

$$DO = 0.0 (I.R) - 8.4 (F.R) = 8.4 \text{ mL} = 8.4 \text{ mg/L}$$

(iii) Sample code = 2324/RDKL/FW/FW/L00067

$$DO = 0.0 (I.R) - 7.5 (F.R) = 7.5 \text{ mL} = 7.5 \text{ mg/L}$$

Signature

  
01.02.24