

25.01-28.01.24

JOB CARD NO. RDKL/2324/FW/500310

Sample Requisition No. FW/2324/SR000501.02.2024

Allocation Dt. 25.1.2024 Due Dt. 31.1.2024 Parameter: BOD

Name of Supervisor: Mr. A. Rafique

Initial standardization of Sodium Thiosulphate

10ml, 0.0125(N) KIO₃ consumed 5ml of Sodium Thiosulphate

∴ strength of Sodium Thiosulphate = 0.025 (N)

Sample code	Dilution	Initial DO mg/L	Final DO mg/L	Arg. Final DO mg/L
L00079	3D 400 → 1200ml	(A) 7.5 - 0 = 7.5 ≈ 7.5 mg/L	(B) 5.5 - 0 = 5.5 ≈ 5.5 mg/L (C) 11.1 - 5.5 = 5.6 ≈ 5.6 mg/L	5.55 mg/L

Result: $(7.5 - 5.55) \times 3 = 5.85 \approx 6 \text{ mg/L}$ (29)

L00080	3D 400 - 1200ml	(A) 13.5 - 7.5 = 6.0 ≈ 6.0 mg/L	(B) 14.6 - 11.1 = 3.5 ≈ 3.5 mg/L (C) 18.0 - 14.6 = 3.4 ≈ 3.4 mg/L	3.45 mg/L
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Result: $(6.0 - 3.45) \times 3 = 7.65 \approx 8 \text{ mg/L}$ (35)

Final standardization of Sodium Thiosulphate

10ml, 0.0125(N) KIO₃ consumed 5ml of Sodium Thiosulphate

∴ strength of Sodium Thiosulphate = 0.025 (N)

19/1/24

31.01.24