

parameter Cr^{6+}

Rep/Station No: RDKL/FW/2324/SR00067, Sample code: 2324/RDKL/FW/FW/L00130

Allocation Date: 21/02/2024

Due Date: 28/02/2024

Test Start Date: 21/02/2024

Test End Date: 21/02/2024

Name of Supervisor: Sh A.K. Dubey.

21.02.2024

 Cr^{6+}

S.No.	Sample code	Sample vol (ml)	Absorbance (540nm)	Result (μ g)	Result (mg/L)
01)	Blank (dH_2O)	100	0.000		
02)	Blank (dH_2O)	100	0.000		
03)	Stand-1 (5 μ g)	100	0.035		
04)	Stand-2 (2 μ g)	100	0.014		

Rest standards taken from calibration curve done on 19.02.2024

Slope = 0.0074, Intercept = -0.0015

05) 2324/RDKL/FW/FW/L00130 100 0.000 — \approx BDLCalculation: Cr^{6+} (mg/L) = $\frac{(\text{Abs} - \text{Intercept})}{\text{Slope}} = \mu\text{g} = \mu\text{g}/100 = \text{mg/L}$

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21.02.2024

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