Sample Registration →
① RDKL/~~2324~~/FW/2324/SR00011
② RDKL/FW/2324/SR00012
③ RDKL/FW/2324/SK00014

Sample code →

SR-11. RDKL/2324/FW/00077
   (2324/RDKL/EN/FW/L00009)

SR-12 → 2. RDKL/2324/FW/00078 (2324/RDKL/FN/FW/L00008)

SR-14 → 3. RDKL/2324/FW/00107 (2324/RDKL/EN/FW/L00010)

0   4. RDKL/2324/FW/00108 (2324/RDKL/FN/FW/L00011)

Parameter → COD

Test material — water

Date of allotment → 5/10/23 – 6/10/23

Date of analysis → 16/10/2023

Date of submission → 19/10/23 – 20/10/23

Name of supervisor → Md. Rafique

Standardisation of FAS →

10 ml of 0.025 (N) $K_2Cr_2O_7$ consumed →

	ml of FAS	Avg (ml)	Strength of FAS
i)	25.2		
ii)	25.1	25.2 →	0.0099
iii)	25.3		

Sample Code	Dilution	Sample vol (ml)	Initial burette reading (IR)	Final burette reading (FR)	FAS cons. (FR-IR)	(Blank – Sample)	COD (mg/l)
1. Blank	Direct	20	0	25	25		
2. KHP	10 times	4	25	37.7	12.7	12.3	48.7 ≈ 49
3. SR-12 (L00008)	Direct	4	0	24.1	24.1	0.9	3.6 ≈ 4
4. SR-11 (L00009)	4	4	24.1	48.3	24.2	0.8	3.2 ≈ 3
5. SR-14 (L00010)	4	4	0	24	24	1	3.9 ≈ 4
6. SR-14 (L00011)	4	4	24	48.2	24.2	0.8	3.2 ≈ 3

Calculation — $\dfrac{(B-A) \times l \times 1000 \times N}{Sample\ vol\ (ml)}$, where, B – FAS cons. by blank
   A – " " " " Sample
   N – Normality of FAS

18.10.23