

الطرق القياسية المستخدمة في القياسات الفيزيائية والكيميائية لعينات المياه

Ser.	parameter	standard methods used	Reference
1	Turbidity	Nephelometric method 2130 B	(SM) <sup>1</sup>
2	hardness	EDTA titrimetric method 2340 C	(SM)
3	TS(total solid)	Dried at 103-105°C 2540B	
4	TSS (total suspended solid)	dried 103° - 105° 2540 D	(SM)
5	TDS (total dissolved solid)	at 180° 2540 C	(SM)
6	Chloride (Cl)	Argentometric method 4500 Cl <sup>-</sup> B	(SM)
7	Alkalinity	2320-B	(SM)
8	Ammonia (NH <sub>3</sub> )	4500- NH <sub>3</sub> -F	(SM)
9	Nitrite (NO <sub>2</sub> )	4500-NO <sub>2</sub> - B	(SM)
10	Nitrate (NO <sub>3</sub> )	Ultraviolet spectrophotometric screening method 4500 NO <sub>3</sub> B	(SM)
11	Phosphorus	vanadomolybdophosphoric acid colorimetric method 4500 P <sup>-</sup> C	(SM)
12	Sulfide S <sup>2-</sup>	iodometric method 4500 S <sup>2-</sup> F	(SM)
13	Sulfate SO <sub>4</sub>	Turbidimetric method 4500 SO <sub>4</sub> E	(SM)
14	Cyanide	4500CN-E	(SM)
15	Biochemical oxygen demand (BOD)	5- day BOD test 5210 B	(SM)
16	Chemical oxygen demand (COD)	Closed reflux ,titrimetric method 5220C	(SM)
17	Oil & grease	partition gravimetric method 5520 B	(SM)
18	Atomic absorption	metals 3030, 3111	(SM)

**1(SM)** Standard Methods for the Examination of Water and Waste water , Copyright 1999 by American Public Health Association(APHA), American Water Works Association, Water Environment Federation