

RDIC Resource Laboratory Water Quality Testing Packages



2021 Price List

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★		★★		★★★			
<i>basic drinking hazards</i>		<i>includes aesthetics</i>		<i>full drinking; irrigation</i>			
Parameter	Price	Parameter	Price	Parameter	Price		
E. coli ¹	\$8.00	E. coli ¹	\$8.00	E. coli ¹	\$8.00		
Total Coliforms ¹		Total Coliforms ¹		Total Coliforms ¹			
Arsenic ²	\$10.00	Arsenic ²	\$10.00	Arsenic ²	\$10.00		
Manganese ³	\$5.00	Manganese ³	\$5.00	Manganese ³	\$5.00		
Fluoride	\$12.00	Anions	Fluoride	\$12.00	Anions	Chloride	\$12.00
Nitrate			Nitrate			Fluoride	
Nitrite			Nitrite			Nitrate	
Chloride			Chloride			Nitrite	
Phosphate			Phosphate			Phosphate	
Sulphate			Sulphate			Sulphate	
		Iron	\$3.00	Iron	\$3.00		
		Turbidity	\$2.00	Turbidity	\$2.00		
		pH	\$2.00	pH	\$2.00		
		Conductivity	\$2.00	Conductivity	\$2.00		
		Total Dissolved Solids	\$2.00	Total Dissolved Solids	\$2.00		
		Salinity	\$2.00	Salinity	\$2.00		
		Total Hardness	\$3.00	Total Hardness	\$3.00		
				Cations	\$30	Ammonium	
						Calcium	
						Magnesium	
						Potassium	
						Sodium	
Packaged Price:	\$35.00	Packaged Price:	\$51.00	Packaged Price:	\$81.00		
Final Price:	\$29.00	Final Price:	\$39.00	Final Price:	\$69		

1. Membrane Filtration Method 2. Atomic Fluorescence Spectrophotometer 3. Atomic Absorption Spectrophotometry

To add any other parameters to your package please refer to 'Water Quality Information Sheet' for a list of all available.

Other add-ons and recommendations:

Irrigation Water	
Phosphate (\$4)	Salinity(\$2)
Ammonia (\$5)	D.O. (\$2)
Packaged: \$11	

Waste Water	
BOD5 (\$15)	COD (\$15)
Ammonia (\$5)	TSS (\$5)
Alkalinity (\$4)	
Packaged: \$41	

★★★★★ "Everything we've got" Includes every parameter we offer..35 in all.. for \$203 (\$223 value)



No	Parameter	Formula	Units	Drinking Water Standards		Discharge Standards		Method	Price 2021
				CDWQS ¹	WHO ²	SDWPC protected public water area	SDWPC public water area and sewer		
1	Alkalinity	-	mg/L	-	-	-	-	Titration	\$4
2	Ammonia	NH ₃	mg/L as NH ₃	1.5	-	5	7	Colorimetric Spectrophotometry	\$5
3	Ammonium	NH ₄ ⁺	mg/L	1	-	-	-	Ion Chromatography	\$8
4	Arsenic	As	mg/L	0.05	0.01	0.1	1	Test Strip Kit	\$3
5								Atomic Fluorescence Spectrophotometer	\$10
6	Bacteria: E. Coli and Total Coliforms	-	cfu/100 mL	0	-	-	-	Membrane Filtration	\$8
7	Bacteria Testing by using H2S test strip kit	-	-	0	-	-	-	H2S test strip kit	\$2
8	BOD5	-	DO mg/L	-	-	30	80	BOD5	\$15
9	Calcium	Ca	mg/L	-	-	-	-	Ion Chromatography	\$8
10	Chloride	Cl ⁻	mg/L	250	-	500	700	Ion Chromatography	\$4
11	Chlorine (Combined/Free/Total)	Cl	mg/L	0.2 - 0.5	0.2 - 0.5	-	-	Colorimetric Spectrophotometry	\$5
12	COD	-	DO mg/L	-	-	50	100	Digestion, Colorimetric Spectrophotometry	\$15
13	Conductivity	-	µS/cm	500	-	-	-	Meter	\$2
14	Color	-	TCU	5	-	-	-		\$5
15	Copper	Cu	mg/L	1	2	0.2	1	Electrode	\$15
16	Cyanide	CN ⁻	mg/L	0.07	-			Colorimetric Spectrophotometry	\$5
17	Dissolved Oxygen	-	DO mg/L	-	-	> 2	> 1	Meter	\$2
18	Fluoride	F	mg/L	1.5	1.5	-	-	Ion Chromatography	\$4
19	Hardness (Carbonate)	-	mg/L CaCO ₃	300	-	-	-	Titration	\$3
20	Hardness (Total)	-	mg/L CaCO ₃	300	-	-	-	Titration	\$3
21	Iron (Ferrous)	Fe	mg/L	0.3	-	1	20	Colorimetric Spectrophotometry	\$3
22	Magnesium	Mg	mg/L	-	-	-	-	Ion Chromatography	\$8
23	Manganese	Mn	mg/L	0.1	-0.4	1	5	Colorimetric Spectrophotometry	\$3
24								Atomic Absorption Spectrophotometer	\$5
25	Mercury	Hg	mg/L	0.001	0.006	0.002	0.05	Atomic Fluorescence Spectrophotometer	\$25
26	Nitrate	NO ₃ ⁻	mg/L as NO ₃	50	50	10	20	Ion Chromatography	\$4
27	Nitrite	NO ₂ ⁻	mg/L as NO ₂	3	3	-	-	Ion Chromatography	\$4
28	pH	-	pH units	6.5 - 8.5	-	6.0 - 9.0	5.0 - 9.0	Meter	\$2
29	Potassium	K	mg/L	-	-	-	-	Ion Chromatography	\$8
30	Phosphate	PO ₄ ³⁻	mg/L as PO ₄	-	-	3	6	Ion Chromatography	\$4
31	Total Phosphorus	P	mg/L as P	-	-	-	-	Digestion, Colorimetric Spectrophotometry	\$6
32	Salinity	-	pp thousand	-	-	-	-	Meter	\$2
33	Sodium	Na	mg/L	200	-	-	-	Ion Chromatography	\$8
34	Sulfate	SO ₄ ²⁻	mg/L	250	-	300	500	Ion Chromatography	\$4
35	Temperature	-	° Celcius	-	-	-	-	Probe	\$2
36	Total Dissolved Solids	-	mg/L	800	-	1000	2000	Meter	\$2
37	Total Suspended Solids	-	g/L	-	-	50	80	Filtration	\$5
38	Turbidity	-	NTU	5	5	-	-	Meter	\$2

Total Price: \$223

1. Cambodian Drinking Water Quality Standards (Draft Proposed Cambodian National Drinking Water Quality Standards Version 4 as of June 21, 2003)

2. World Health Organization (Guidelines for Drinking-water Quality, 3rd Edition, Volume 1, WHO 2004)

3. SDWPC = Sub-Decree on Water Pollution Control, No: 27 ANRK.BK Phnom Penh, April 06, 1999, Annex 2

mg/L = parts per million (ppm)

ug/L = parts per billion (ppb)

NTU = nephelometric turbidity units

TCU = true color unit

Combined and discounted packages available, see 'Water Quality Analysis Packages'