

Water sampling and analysis

Parameter monitored	Standard methodology used	Detection limit	Is this company accredited for this test? ¹
Acidity	APAT CNR IRSA 2010 Man 29 2003	0.1 meq/L	No
Acrylamide	Rapporti Istan 07/31	0.02 µg/L	No
Acrylonitrile	EPA 8260 C:2006	30 µg/L	No
Total Alkalinity	APAT CNR IRSA 2010 B Man 29 2003	5 mg/L	No
Aliphatic aldehydes	APAT CNR IRSA 5010 Man 29 2003	0.05 mg/L	Yes
Aliphatic amines	MIP 061 Rev 00 2007	1 mg/L	No
Aromatic amines	EPA 3510 C:1996 + EPA 8270 D:2007	0.1 µg/L	Yes
Ammonium	APAT CNR IRSA 4030 A2 Man 29 2003	0.4 mg/L	Yes
Bromide	UNI EN ISO 10304-1:2009	0.2 mg/L	Yes
Chloride	UNI EN ISO 10304-1:2009	1 mg/L	Yes
Fluoride	UNI EN ISO 10304-1:2009	0.1 mg/L	Yes
Phosphate	UNI EN ISO 10304-1:2009	0.2 mg/L	Yes
Nitrite	UNI EN ISO 10304-1:2009	0.1 mg/L	Yes
Nitrate	UNI EN ISO 10304-1:2009	0.5 mg/L	Yes
Sulphate	UNI EN ISO 10304-1:2009	1.0 mg/L	Yes
Nitrite	APAT CNR IRSA 4050 Man 29 2003	0.002 mg/L	Yes
Total nitrogen	APAT CNR IRSA 4060 Man 29 2003	0.1 mg/L	No
B.O.D.5	APAT CNR IRSA 5120 B1 Man 29 2003	1 mg O2/L	No
Bicarbonates Ca(HCO3)2	APAT CNR IRSA 2010 B Man 29 2003	2 mg O2/L	No
Bromates	ISO 15061:2001	5 µg/L	No
C.O.D.	APAT CNR IRSA 5130 Man 29 2003	5 mg O2/L	No
Carbonates (CaCO3)	APAT CNR IRSA 5130 Man 29 2003	0.5 mg/L	No
Total Organic Carbon (TOC)	UNI EN 1484:1999	1 mg/L	No
Cyanides	ASTM D 2036-09	2 µg/L	Yes
Chlorites	UNI EN ISO 10304-4:2001	25 µg/L	No
Chlorine	APAT CNR IRSA 4080 Man 29 2003	0.05 mg/L	No
Chlorinated compounds	EPA 3510 C:1996 + EPA 8270 D:2007	0.1 µg/L	Yes
Chlorophyll A	APAT CNR IRSA 9020 B Man 29 2003	0.2 mg/m3	No
Clostridium perfringens (including spores)	D. Lgs n. 31 02/02/2001 GU n. 52 03/03/2001 All. III	0 UFC/100 mL	Yes
Fecal Coliform	MU 953/1 2001	0 UFC/100 mL	Yes
	APAT CNR IRSA 7020 B Man 29 2003	0 UFC/100 mL	Yes
Total Coliform	MU 952/1 2002	0 UFC/100 mL	Yes
	APAT CNR IRSA 7010 C Man 29 2003	0 UFC/100 mL	Yes
Colour	APAT CNR IRSA 2020 A Man 29 2003	/	No
Carcinogenic Chlorinated Aliphatic Compounds	EPA 5030 C:2003 + EPA 8260 C:2006	Variable from 0.02 to 0.1 µg/L	Yes
	EPA 5021 A:2003 + EPA 8260 C:2006	1 µg/L	Yes
Non Carcinogenic Halogenated Compounds	EPA 5030 C:2003 + EPA 8260 C:2006	0.04 µg/L	Yes
	EPA 5021 A:2003 + EPA 8260 C:2006	1 µg/L	Yes
Non Cancerogenic	EPA 5030 C:2003 + EPA 8260 C:2006	0.001 a 0.1 µg/L	Yes

¹ Accredited tests are subcontracted.

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Chlorinated Compounds	EPA 5021 A:2003 + EPA 8260 C:2006	1 µg/L	Yes
Aromatic Organic Compounds	EPA 5030 C:2003 + EPA 8260 C:2006	0.1 µg/L	Yes
	EPA 5021 A:2003 + EPA 8260 C:2006	1 µg/L	Yes
Volatile Organic Compounds	EPA 5030 C:2003 + EPA 8260 C:2006	0.1 µg/L	Yes
	EPA 5021 A:2003 + EPA 8260 C:2006	1 µg/L	Yes
Conductivity	APAT CNR IRSA 2030 A Man 29 2003	2 µS/cm	No
Colony Count at 22°C	UNI EN ISO 6222:2001	0 UFC/1 mL	Yes
	APAT CNR IRSA 7050 A Man 29 2003	0 UFC/1 mL	Yes
	MU 956 2001	0 UFC/1 mL	Yes
Colony Count at 36 °C	UNI EN ISO 6222:2001	0 UFC/1 mL	Yes
	APAT CNR IRSA 7050 A Man 29 2003	0 UFC/1 mL	Yes
	MU 956 2001	0 UFC/1 mL	Yes
Chromium VI	APAT CNR IRSA 3150 C Man 29 2003	0.05 mg/L	Yes
	EPA 7199:1996	0.5 µg/L	Yes
Total Hardness	APAT CNR IRSA 2040 A Man 29 2003 + EPA 6010 C:2007	1 °F	No
Enterobacteria (Salmonelle)	MU 959 1994		Yes
Enterococci	UNI EN ISO 7899-2:2003	0 UFC/100 mL	Yes
Escherichia coli	MU 1185:2001	0 UFC/100 mL	Yes
	APAT CNR IRSA 7030 D Man 29 2003	0 UFC/100 mL	Yes
Phenols	EPA 3510 C:1996 + EPA 8270 D:2007	0.1 µg/L	Yes
Phthalates	EPA 3510 C:1996 + EPA 8270 D:2007	0.1 µg/L	No
Hydrocarbons light (C6 – C10)	EPA 5030 C:2003 + EPA 8015 D:2003	10 µg/L	Yes
	EPA 5021 A:2003 + EPA 8015 D:2003	10 µg/L	Yes
Hydrocarbons heavy (C10 – C50)	EPA 3510 C:1996 + EPA 8015 D:2003	14 µg/L	Yes
Hydrocarbons (C6 – C50)	EPA 5030 C:2003 + EPA 3510 C:1996 + EPA 8015 D:2003	35 µg/L	Yes
Hydrocarbons (C6 – C50)	EPA 5021 A:2003 + EPA 3510 C:1996 + EPA 8015 D:2003	35 µg/L	Yes
Polycyclic Aromatic Hydrocarbons	EPA 3510 C:1996 + EPA 8270 D:2007	0.01 µg/L	Yes
Legionella	UNI EN ISO 11731-2:2008	0 UFC/L	No
Aluminum	EPA 3005A:92+6010C:07, UNI 11885:2009	30 µg/L	Yes
Antimony	EPA 3005A:92+6010C:07, UNI 11885:2009	20 µg/L	Yes
Silver	EPA 3005A:92+6010C:07, UNI 11885:2009	50 µg/L	Yes
Arsenic	EPA 3005A:92+6010C:07, UNI 11885:2009	50 µg/L	Yes
Barium	EPA 3005A:92+6010C:07, UNI 11885:2009	10 µg/L	Yes
Beryllium	EPA 3005A:92+6010C:07, UNI 11885:2009	10 µg/L	Yes
Cadmium	EPA 3005A:92+6010C:07, UNI 11885:2009	1 µg/L	Yes
Calcium	EPA 3005A:92+6010C:07, UNI 11885:2009	1 mg/L	Yes
Cobalt	EPA 3005A:92+6010C:07, UNI	10 µg/L	Yes

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	11885:2009		
Chromium	EPA 3005A:92+6010C:07, UNI 11885:2009	10 µg/L	Yes
Iron	EPA 3005A:92+6010C:07, UNI 11885:2009	20 µg/L	Yes
Phosphorus	EPA 3005A:92+6010C:07, UNI 11885:2009	500 µg/L	Yes
Magnesium	EPA 3005A:92+6010C:07, UNI 11885:2009	1 mg/L	Yes
Manganese	EPA 3005A:92+6010C:07, UNI 11885:2009	10 µg/L	Yes
Molybdenum	EPA 3005A:92+6010C:07, UNI 11885:2009	10 µg/L	Yes
Nickel	EPA 3005A:92+6010C:07, UNI 11885:2009	10 µg/L	Yes
Lead	EPA 3005A:92+6010C:07, UNI 11885:2009	10 µg/L	Yes
Potassium	EPA 3005A:92+6010C:07, UNI 11885:2009	1 mg/L	Yes
Copper	EPA 3005A:92+6010C:07, UNI 11885:2009	2 µg/L	Yes
Selenium	EPA 3005A:92+6010C:07, UNI 11885:2009	10 µg/L	Yes
Sodium	EPA 3005A:92+6010C:07, UNI 11885:2009	1 mg/L	Yes
Thallium	EPA 3005A:92+6010C:07, UNI 11885:2009	50 µg/L	Yes
Vanadium	EPA 3005A:92+6010C:07, UNI 11885:2009	10 µg/L	Yes
Zinc	EPA 3005A:92+6010C:07, UNI 11885:2009	50 µg/L	Yes
Boron	UNI 11885:2009	0.1 mg/L	Yes
Tin	UNI 11885:2009	10 µg/L	Yes
Aluminum	EPA 200.8:1994	20 µg/L	Yes
Antimony	EPA 200.8:1994	1.5 µg/L	Yes
Silver	EPA 200.8:1994	2.5 µg/L	Yes
Arsenic	EPA 200.8:1994	1 µg/L	Yes
Barium	EPA 200.8:1994	1 µg/L	No
Beryllium	EPA 200.8:1994	0.5 µg/L	Yes
Cadmium	EPA 200.8:1994	1 µg/L	Yes
Cobalt	EPA 200.8:1994	1 µg/L	Yes
Chromium	EPA 200.8:1994	1 µg/L	Yes
Manganese	EPA 200.8:1994	1 µg/L	Yes
Mercury	EPA 200.8:1994	0.15 µg/L	Yes
Molybdenum	EPA 200.8:1994	1 µg/L	Yes
Nickel	EPA 200.8:1994	1 µg/L	Yes
Lead	EPA 200.8:1994	1 µg/L	Yes
Copper	EPA 200.8:1994	2 µg/L	Yes
Selenium	EPA 200.8:1994	0.5 µg/L	Yes
Silicon	EPA 200.8:1994	5 µg/L	No
Thallium	EPA 200.8:1994	0.3 µg/L	Yes
Vanadium	EPA 200.8:1994	1.5 µg/L	Yes
Zinc	EPA 200.8:1994	20 µg/L	Yes
Mercury	UNI EN 1483:2008	1 µg/L	Yes
Nitrobenzenes	EPA 3510 C:1996 + EPA 8270 D:2007	Variable from 0.1 to 1 µg/L	Yes
Odour	APAT CNRS IRSA 2050 Man 29 2003	/	No

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Oil and Greas	APAT CNRS IRSA 5160 A Man 29 2003	0.5 mg/L	No
Oxidizability	MU 943:1994	0.5 mg O ₂ /L	No
Dissolved Oxygen	APAT CNRS IRSA 4120 A1 Man 29 2003	1 mg O ₂ /L	No
Polychlorinate biphenyls aroclor (PCB)	EPA 3510 C:1996 + EPA 8270 D:2007	0.05 µg/L	Yes
Total Phosphorus Pesticides	APAT CNRS IRSA 5060 Man 29 2003	0.1 µg/L	No
Total Pesticides (excluded Phosphorus)	APAT CNRS IRSA 5060 Man 29 2003	0.1 µg/L	Yes
pH	APAT CNRS IRSA 2060 Man 29 2003	2	No
PCDD	EPA 1613 B:1994	PCDD/PCDF I-TEQ	Yes
PCDF	EPA 1613 B:1994	0.1 ng/L	Yes
Pseudomonas aeruginosa	UNI EN ISO 16266:2008	UFC/250 mL	Yes
Residue at 180°C	MU 936:1994	20 mg/L	No
Salinity	APAT CNR IRSA 2070 Man 29 2003	0.05 ppt	No
Sampling	APAT CNR IRSA 1030 + 6010 Man 29 2003	/	/
Selenium	EPA 7742:1994	0.1 ng/L	No
Solphides	APAT CNR IRSA 4160 Man 29 2003	0.5 mg/L	No
Setteable Solids	APAT CNR IRSA 2090 C Man 29 2003	0.1 mL/L	No
Total Suspended Solids	APAT CNR IRSA 2090 B Man 29 2003	0.5 mg/L	Si
Nitrogenous Organic Solvents	EPA 3510 C:1996 + EPA 8270 D:2007	10 µg/L	Yes
Spores of sulphite reducing Clostridia	APAT CNR IRSA 7060 B Man 29 2003	0 UFC/100 mL	Yes
Stafilococci	UNI EN 10678:1998	0 UFC/100 mL	Yes
Streptococci and Enterococci	APAT CNR IRSA 7040 C Man 29 2003	0 UFC/100 mL	Yes
Temperature	APAT CNR IRSA 2100 C Man 29 2003	/	No
Anionic Surfactants (MBAS)	APAT CNR IRSA 5170 C Man 29 2003	0.05 mg/L	No
Cationic Surfactants	MIP 020 Rev 00 2005	0.2 mg/L	No
Non Ionic Surfactants	MIP 021 Rev 00 2005	0.3 mg/L	No
Turbidity	APAT CNR IRSA 2110 Man 29 2003	0.1 NTU	No
Luminescent Bacteria Test (Vibrio Fisher)	APAT CNR IRSA 8030 Man 29 2003	/	No