

**RAPPORTO DELLE ANALISI 22B137 Napoli 17/03/22**

<b>Oggetto:</b>	Analisi campioni d'acque destinata al consumo umano, controllo di tpo B (Verifica) effettuata in accordo al D.Lgs. 31/01 s.m.i .										
<b>Luogo prelievo:</b>	Comune di Afragola (NA), nei punti indicati nella descrizione dei campioni.										
<b>Prelievo:</b>	effettuato dal personale tecnico qualificato del laboratorio										
<b>Metodo di campionamento</b>	APAT CNR IRSA 1030 Man 29 2003					Note sul Campionamento			-----		
<b>Data ricezione campione/i</b>	16/02/22	<b>Data termine analisi</b>				16/03/22	<b>Data trasmissione risultati</b>			17/03/22	
<b>Data campionamento</b>	16/02/22	<b>Data inizio analisi</b>				16/02/22	<b>Verbale di campionamento</b>			V	22B137
<b>Protocollo</b>	<b>DESCRIZIONE CAMPIONI</b>										
22B137	AFR 07 : Via Cirillo – fontanina N: 40,923040°; E: 14,319533°										
<b>RISULTATI ANALISI - RAPPORTO 22B137</b>											
<b>Analisi effettuata</b>	<b>Campioni</b>					<b>Incertezza di misura / IF</b>	<b>Valori di parametro</b>	<b>unità di misura</b>	<b>Metodo di prova</b>	<b>Note</b>	
	22B137	/	/	/	/		Dlgs 31/01. ss.mm.ii		numero		
<b>Tipologia analisi</b>	V	---	---	---	---	---	---	---	---	---	
<b>Giorno prelievo</b>	16/02/22	---	---	---	---	---	---	gg-mm	---	---	
<b>Ora</b>	8.00	---	---	---	---	---	---	h,min	---	---	
<b>Parametri Organolettici</b>											
<b>Colore</b>	1	---	---	---	---	---	Accettabile per i consumatori e senza variazioni anomale	mg/l, Sc. Pt/Co	APHA SMEWW ed 23rd 2017 2120 B	Accettabile	
<b>Odore</b>	0	---	---	---	---	---	Accettabile per i consumatori e senza variazioni anomale	tasso di dil.	APHA SMEWW ed 23rd 2017 - 2150	Accettabile	
<b>Sapore</b>	0	---	---	---	---	---	Accettabile per i consumatori e senza variazioni anomale	tasso di dil.	APHA SMEWW ed 23rd 2017 2120 B	Accettabile	
<b>Parametri generali</b>											
<b>Ammonio</b>	< 0.05	---	---	---	---	---	0.50	mg/l, NH <sub>4</sub>	ISS BHE.019	---	
<b>Carbonio organico totale</b>	550	---	---	---	---	---	1-5	µg/l, C	SM ed 23rd 2017 5310A+5310B	---	
<b>Concentrazione ioni idrogeno</b>	7.84	---	---	---	---	---	6.5-9.5 <sup>3</sup>	pH	APAT CNR IRSA 2060 Man 29 2003	---	
<b>Conducibilità elettrica</b>	341	---	---	---	---	---	2500 <sup>3</sup>	µS/cm, 20 °C	APAT CNR IRSA 2030 Man 29 2003	---	
<b>Durezza totale (calcolo)</b>	23	---	---	---	---	---	15-50 *	°F	UNI EN ISO 17294-2:2016	---	
<b>Nitriti</b>	< 0.05	---	---	---	---	---	0.50 <sup>7</sup>	mg/l, NO <sub>2</sub>	APAT CNR IRSA 4020 Man 29 2003	---	
<b>Ossidabilità</b>	< 0.5	---	---	---	---	---	5.0 <sup>4</sup>	mg/l, O <sub>2</sub>	UNI EN ISO 8467:1997	---	
<b>Residuo secco (calcolo)</b>	256	---	---	---	---	---	1500 **	mg/l, 180 °C	APHA SMEWW ed 23rd 2017 2540 B	---	
<b>Temperatura</b>	11.4	---	---	---	---	---	---	°C	APAT CNR IRSA 2100 Man 29 2003	---	
<b>Torbidità</b>	0.30	---	---	---	---	---	1; 1 <sup>2</sup>	NTU	APHA SMEWW ed 23rd 2017 2130	---	
<b>Analisi Cloro/biossido di cloro</b>											
<b>Cloro residuo</b> (DPD) (A)	0.15	---	---	---	---	---	0.2***	mg/l, Cl <sub>2</sub>	ISS_BHD.033; SM 4500C1 G	---	
<b>Cloro residuo libero</b> (A - G)	0.10	---	---	---	---	---	0.2	mg/l, Cl <sub>2</sub>	ISS_BHD.033; SM 4500C102 D	---	

## RISULTATI ANALISI - RAPPORTO 22B137

Analisi effettuata	Campioni				Incertezza di misura / IF	Valori di parametro Dlgs 31/01. ss.mm.ii	Unità di misura	Metodo di prova numero	Note
	22B137	/	/	/					
<b>Cloro residuo combinato</b> (C-A)	0.02	---	---	---	---	0.2	mg/l, Cl <sub>2</sub>	ISS_BHD.033; SM 4500CIO2 D	---
<b>Biossido di cloro</b> (1.9 + G)	0.09	---	---	---	---	0.2	mg/l, ClO <sub>2</sub>	ISS_BHD.033; SM 4500CIO2 D	---
<b>Cloriti</b> [D - (4C + G)]	0.24	---	---	---	---	0.7 <sup>16</sup>	mg/l, Cl <sub>2</sub>	SS_BHD.033; SM 4500CIO2 D	---
<b>Anioni</b>									
<b>Boro</b>	<0.1	---	---	---	---	1.0	mg/l, B	UNI EN ISO 17294-2:2016	---
<b>Bromato</b>	< 5	---	---	---	---	10	µg/l	ISTISAN 2007/31 ISS.CBB.006.rev.00	---
<b>Bromuri</b>	0.1	---	---	---	---	---	mg/l	APAT CNR IRSA 4020 Man 29 2003	---
<b>Cianuri</b>	< 5	---	---	---	---	50	µg/l, CN	APHA SMEWW ed 23rd 2017 4500- CN C+E	---
<b>Cloruri</b>	6.3	---	---	---	---	250 <sup>3</sup>	mg/l, Cl	APAT CNR IRSA 4020 Man 29 2003	---
<b>Fluoruri</b>	160	---	---	---	---	1500	µg/l, F	APAT CNR IRSA 4020 Man 29 2003	---
<b>Fosfati</b>	<0.1	---	---	---	---	---	mg/l, PO <sub>4</sub>	APAT CNR IRSA 4020 Man 29 2003	---
<b>Nitrati</b>	2.3	---	---	---	---	50 <sup>7</sup>	mg/l, NO <sub>3</sub>	APAT CNR IRSA 4020 Man 29 2003	---
<b>Nitriti</b>	< 0.05	---	---	---	---	0.50 <sup>7</sup>	mg/l, NO <sub>2</sub>	APAT CNR IRSA 4020 Man 29 2003	---
<b>Solfati</b>	4.4	---	---	---	---	250 <sup>3</sup>	mg/l, SO <sub>4</sub>	APAT CNR IRSA 4020 Man 29 2003	---
<b>Metalli e Non Metalli (ICP/MS) (i metalli e non metalli previsti da dlgs 31/01)</b>									
<b>Alluminio</b>	<20	---	---	---	---	200	µg/l, Al	UNI EN ISO 17294-2:2016	---
<b>Antimonio</b>	< 0.5	---	---	---	---	5.0	µg/l, Sb	UNI EN ISO 17294-2:2016	---
<b>Arsenico</b>	< 1	---	---	---	---	10	µg/l, As	UNI EN ISO 17294-2:2016	---
<b>Boro</b>	<0.1	---	---	---	---	1.0	mg/l, B	UNI EN ISO 17294-2:2016	---
<b>Cadmio</b>	<0.3	---	---	---	---	5.0	µg/l, Cd	UNI EN ISO 17294-2:2016	---
<b>Cromo</b>	< 1	---	---	---	---	50	µg/l, Cr	UNI EN ISO 17294-2:2016	---
<b>Ferro</b>	<20	---	---	---	---	200	µg/l, Fe	UNI EN ISO 17294-2:2016	---
<b>Manganese</b>	< 1	---	---	---	---	50	µg/l, Mn	UNI EN ISO 17294-2:2016	---
<b>Mercurio</b>	<0.2	---	---	---	---	1.0	µg/l, Hg	UNI EN ISO 17294-2:2016	---
<b>Nichel</b>	< 1	---	---	---	---	20 <sup>8</sup>	µg/l, Ni	UNI EN ISO 17294-2:2016	---
<b>Piombo</b>	< 1	---	---	---	---	10	µg/l, Pb	UNI EN ISO 17294-2:2016	---
<b>Rame</b>	< 1	---	---	---	---	1000 <sup>8</sup>	µg/l, Cu	UNI EN ISO 17294-2:2016	---
<b>Selenio</b>	< 1	---	---	---	---	10	µg/l, Se	UNI EN ISO 17294-2:2016	---
<b>Sodio</b>	3.1	---	---	---	---	200	mg/l, Na	UNI EN ISO 17294-2:2016	---
<b>Vanadio</b>	<1	---	---	---	---	140	µg/l, V	UNI EN ISO 17294-2:2016	---
<b>Metalli (Alcalini e Alcalini terrosi)</b>									
<b>Calcio</b>	75	---	---	---	---	---	mg/l, Na	UNI EN ISO 17294-2:2016	---
<b>Litio</b>	<1	---	---	---	---	---	µg/l, Li	UNI EN ISO 17294-2:2016	---
<b>Magnesio</b>	10	---	---	---	---	---	mg/l, Mg	UNI EN ISO 17294-2:2016	---
<b>Potassio</b>	0.9	---	---	---	---	---	mg/l, K	UNI EN ISO 17294-2:2016	---
<b>Sodio</b>	3.1	---	---	---	---	200	mg/l, Na	UNI EN ISO 17294-2:2016	---

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Analisi effettuata	Campioni					Incertezza di misura / IF	Valori di parametro Dlgs 31/01. ss.mm.ii	unità di misura	Metodo di prova numero	Note
	22B137	/	/	/	/					
<b>Metalli (routine)</b>						---				
Alluminio	<20	---	---	---	---	---	200	µg/l, Al	UNI EN ISO 17294-2:2016	---
Calcio	75	---	---	---	---	---	---	mg/l, Ca	UNI EN ISO 17294-2:2016	---
Ferro	<20	---	---	---	---	---	200	µg/l, Fe	UNI EN ISO 17294-2:2016	---
Magnesio	10	---	---	---	---	---	---	mg/l, Mg	UNI EN ISO 17294-2:2016	---
Manganese	< 1	---	---	---	---	---	50	µg/l, Mn	UNI EN ISO 17294-2:2016	---
Potassio	0.9	---	---	---	---	---	---	mg/l, K	UNI EN ISO 17294-2:2016	---
Sodio	3.1	---	---	---	---	---	200	mg/l, Na	UNI EN ISO 17294-2:2016	---
<b>Altri Metalli</b>										
*Cromo esavalente	< 2	---	---	---	---	---	10	µg/l	EPA 7199:1996	---
<b>Antiparassitari (Singoli)</b>										
Antiparassitari (Totali per Gruppi)	< 0.01	---	---	---	---	---	0.10	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
Acaricidi organici	< 0.01	---	---	---	---	---	0.10	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
Erbicidi organici	< 0.01	---	---	---	---	---	0.10	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
Fungicidi organici	< 0.01	---	---	---	---	---	0.10	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
Insetticidi organici	< 0.01	---	---	---	---	---	0.10	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
Regolatori di crescita	< 0.01	---	---	---	---	---	0.10	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
Metaboliti pertinenti	< 0.01	---	---	---	---	---	0.10	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
Antiparassitari (totali) <sup>12</sup>	< 0.05	---	---	---	---	---	0.50	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
<b>ANTIPARASSITARI SPECIFICI</b>										
Aldrin	< 0.003	---	---	---	---	---	0.03	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
Dieldrin	< 0.003	---	---	---	---	---	0.03	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
Eptacloro	< 0.003	---	---	---	---	---	0.03	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
Eptacloroepossido	< 0.003	---	---	---	---	---	0.03	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
Endosulfan A	< 0.01	---	---	---	---	---	0.1	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
Endosulfan B	< 0.01	---	---	---	---	---	0.1	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
Endosulfansolfato	< 0.01	---	---	---	---	---	0.1	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
Atrazina	< 0.01	---	---	---	---	---	0.1	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
Fenitrotion	< 0.01	---	---	---	---	---	0.1	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
Iprodione	< 0.01	---	---	---	---	---	0.1	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
Malation	< 0.01	---	---	---	---	---	0.1	µg/l	APAT CNR IRSA 5060 Man 29 2003	---

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Analisi effettuata	Campioni				Incertezza di misura / IF	Valori di parametro Dlgs 31/01. ss.mm.ii	unità di misura	Metodo di prova numero	Note
	22B137	/	/	/					
Procimidone	< 0.01	---	---	---	---	0.1	µg/l	APAT CNR IRSA 5060 Man 29 2003	---
Idrocarburi Policiclici Aromatici Tot. (GC/MS/FID)	< 0.006	---	---	---	---	0.10	µg/l	ISS_CAB.039; SM_6410B; 6440B	---
<b>Idrocarburi policiclici aromatici Spec.</b>									
Benzo (b) fluorantene	< 0.006	---	---	---	---	0.10	µg/l	ISS_CAB.039; SM_6410B; 6440B	---
Benzo (k) fluorantene	< 0.006	---	---	---	---	0.10	µg/l	ISS_CAB.039; SM_6410B; 6440B	---
Benzo (ghi)perilene	< 0.006	---	---	---	---	0.10	µg/l	ISS_CAB.039; SM_6410B; 6440B	---
Benzo-a-pirene	< 0.003	---	---	---	---	0.010	µg/l	ISS_CAB.039; SM_6410B; 6440B	---
Indeno (1,2,3-cd)pirene	< 0.006	---	---	---	---	0.10	µg/l	ISS_CAB.039; SM_6410B; 6440B	---
<b>Composti Organo Alogenati previsti dal metodo EPA 8032A - 624</b>									
Dichlorodifluorometano	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
Clorometano	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
Cloruro di vinile	< 0.2	---	---	---	---	0.5	µg/l	ISS_CAA.036 ISS_CAA.004	---
Cloroetano	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
bromometano	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
Triclorofluorometano	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
1,1-Dicloroetene	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
Cloruro di metile	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
trans-1,2-dicloroetene	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
1,1-dicloroetano	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
2,2-dicloropropano	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
cis-1,2-dicloroetene	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
bromoclorometano	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
cloroformio	< 0.2	---	---	---	---	30, β	µg/l	ISS_CAA.036 ISS_CAA.004	---
1,1,1-tricloroetano	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
1,1-dicloropropene	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
tetracloruro di carbonio	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
1,2-dicloroetano	< 0.2	---	---	---	---	3, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
tricloroetene	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
1,2-dicloropropano	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
Dibromometano	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
bromodiclorometano	< 0.2	---	---	---	---	30, β	µg/l	ISS_CAA.036 ISS_CAA.004	---
trans-1,3-dicloropropene	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
cis-1,3-dicloropropene	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
1,1,2-tricloroetano	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
tetracloroetene	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---
1,3-dicloropropane	< 0.2	---	---	---	---	10, α	µg/l	ISS_CAA.036 ISS_CAA.004	---

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Analisi effettuata	Campioni				Incertezza di misura / IF	Valori di parametro Dlgs 31/01. ss.mm.ii	unità di misura	Metodo di prova numero	Note
	22B137	/	/	/					
<b>dibromoclorometano</b>	<b>0.4</b>	---	---	---	---	<b>30, β</b>	µg/l	ISS_CAA.036 ISS_CAA.004	---
<b>1,2-dibromoetano</b>	<b>&lt; 0.2</b>	---	---	---	---	<b>10, α</b>	µg/l	ISS_CAA.036 ISS_CAA.004	---
<b>1,1,1,2-tetracloroetano</b>	<b>&lt; 0.2</b>	---	---	---	---	<b>10, α</b>	µg/l	ISS_CAA.036 ISS_CAA.004	---
<b>bromoformio</b>	<b>0.5</b>	---	---	---	---	<b>30, β</b>	µg/l	ISS_CAA.036 ISS_CAA.004	---
<b>1,1,2,2-tetracloroetano</b>	<b>&lt; 0.2</b>	---	---	---	---	<b>10, α</b>	µg/l	ISS_CAA.036 ISS_CAA.004	---
<b>1,2,3-tricloropropane</b>	<b>&lt; 0.2</b>	---	---	---	---	<b>10, α</b>	µg/l	ISS_CAA.036 ISS_CAA.004	---
<b>1,2-dibromo-3-cloropropano</b>	<b>&lt; 0.2</b>	---	---	---	---	<b>10, α</b>	µg/l	ISS_CAA.036 ISS_CAA.004	---
<b>esaclorobutadiene</b>	<b>&lt; 0.2</b>	---	---	---	---	<b>10, α</b>	µg/l	ISS_CAA.036 ISS_CAA.004	---
<b>Composti Organo Alogenati totali</b>	<b>&lt;0.2</b>	---	---	---	---	<b>10, α</b>	µg/l	ISS_CAA.036 ISS_CAA.004	---
<b>Composti Organo Alogenati specifici</b>									
<b>Tricloroetilene</b>	<b>&lt; 0.2</b>	---	---	---	---	<b>10, α</b>	µg/l	ISS_CAA.036 ISS_CAA.004	---
<b>Tetracloroetilene</b>	<b>&lt; 0.2</b>	---	---	---	---	<b>10, α</b>	µg/l	ISS_CAA.036 ISS_CAA.004	---
<b>Triometani totali</b>	<b>0.9</b>	---	---	---	---	<b>30, β</b>	µg/l	ISS_CAA.036 ISS_CAA.004	---
<b>Triometani, composti specifici</b>									
<b>Cloroformio</b>	<b>&lt; 0.2</b>	---	---	---	---	<b>30, β</b>	µg/l	ISS_CAA.036 ISS_CAA.004	---
<b>Bromodichlorometano</b>	<b>&lt; 0.2</b>	---	---	---	---	<b>30, β</b>	µg/l	ISS_CAA.036 ISS_CAA.004	---
<b>Dibromoclorometano</b>	<b>0.4</b>	---	---	---	---	<b>30, β</b>	µg/l	ISS_CAA.036 ISS_CAA.004	---
<b>Bromoformio</b>	<b>0.5</b>	---	---	---	---	<b>30, β</b>	µg/l	ISS_CAA.036 ISS_CAA.004	---
<b>Altri Contaminanti Organici Specifici</b>									
<b>Acrilammide</b>	<b>&lt; 0.1</b>	---	---	---	---	<b>0.10</b>	µg/l	ISTISAN 2007/31 Met.ISS.CBA.001 rev00	---
<b>Benzene</b>	<b>&lt; 0.25</b>	---	---	---	---	<b>1.0</b>	µg/l	EPA 5030 C:2003 + EPA8260 D:2017 ISS_CAA.004	---
<b>Benzo-a-pirene</b>	<b>&lt; 0.003</b>	---	---	---	---	<b>0.010</b>	µg/l	APAT CNR IRSA 5080 Man 29 2003	---
<b>Cloruro di vinile</b>	<b>&lt; 0.2</b>	---	---	---	---	<b>0.5</b>	µg/l	ISS_CAA.036 ISS_CAA.004	---
<b>1,2 Dicloroetano</b>	<b>&lt; 0.2</b>	---	---	---	---	<b>3.0</b>	µg/l	ISS_CAA.036 ISS_CAA.004	---
<b>Epilordina</b>	<b>&lt; 0.1</b>	---	---	---	---	<b>0.10</b>	µg/l	EPA8260D:2017	---
<b>Composti e/o gruppi specifici - Non Previsti dal dlgs 31/01</b>									
<b>Oli minerali - Idrocarburi disciolti o emulsionati</b>	<b>&lt; 1</b>	---	---	---	---	<b>10</b>	µg/l	ISS_CAB.039; SM_6410B; 6440B	---
<b>PARAMETRI MICROBIOLOGICI</b>									
<b>Batteri coliformi a 37°C</b>	<b>Ass</b>	---	---	---	---	<b>0</b>	CFU/100 ml	ISS A 006 B rev. 00	---
<b>Clostridium perfringens comprese spore</b>	<b>Ass</b>	---	---	---	---	<b>0<sup>6</sup></b>	CFU/100 ml	ISS A 005 A rev. 00	---
<b>Conteggio colonie a 37 °C</b>	<b>Ass</b>	---	---	---	---	---	CFU/ml	APAT CNR IRSA 7050 MAN 29 2003	---
<b>Conteggio colonie a 22 °C</b>	<b>Ass</b>	---	---	---	---	---	CFU/ml	APAT CNR IRSA 7050 MAN 29 2003	---
<b>Enterococchi</b>	<b>Ass</b>	---	---	---	---	<b>0</b>	CFU/100 ml	ISS A 002 A rev. 00	---
<b>Escherichia coli</b>	<b>Ass</b>	---	---	---	---	<b>0</b>	CFU/100 ml	ISS A 001 B rev. 00	---

## RISULTATI ANALISI - RAPPORTO 22B137

Analisi effettuata	Campioni					Incertezza di misura / IF	Valori di parametro Dlgs 31/01. ss.mm.ii	unità di misura	Metodo di prova numero	Note
	22B137	/	/	/	/					
<b>Pseudomonas Aeruginosa</b>	Ass	---	---	---	---	---	0	CFU/250 ml	ISS A 003 A UNI EN 12780:2002	---

### Legenda e Note

D.Lgs.: Decreto Legislativo

ss.mm.ii.: successive modifiche e integrazioni

IRSA: Istituto di Ricerca sulle Acque

EPA: Environmental Protection Agency

UNI: Ente Nazionale Italiano di Unificazione

ISO: International Standards

(a) Valore consigliato

(b) Sono stati ricercati composti (insetticidi, erbicidi, fungicidi, nematocidi, acaricidi, algheicidi, rodenticidi, prodotti connessi e i pertinenti metaboliti, prodotti di degradazione e reazione) che hanno maggiore probabilità di trovarsi nel territorio influente sulla risorsa esaminata.

I valori non conformi vengono evidenziati

D.M.: Decreto Ministeriale

ISS - ISTISAN: Istituto Superiore di Sanità

APAT: Agenzia per la Protezione dell'Ambiente e per i servizi Tecnici

CNR: Consiglio Nazionale delle Ricerche

APHA: American Public Health Association

SM: Standard Methods for Examination of Water and Wastewater, 18th to 23rd Ed

CFU: Unità Formanti Colonie

L'incertezza di misura è riportata nell'ipotesi di superamento del limite di legge, è disponibile in laboratorio ed è fornita su richiesta del committente.

Relativamente alle prove chimiche, l'incertezza di misura, espressa nelle stesse unità di misura del risultato della prova, è riportata come incertezza estesa calcolata utilizzando un fattore di copertura  $K=2$  che dà un livello di fiducia approssimativamente del 95%. Per le ricerche microbiologiche relative alla matrice acque sono indicati il limite inferiore e superiore dell'intervallo di confidenza stimato con livello di fiducia del 95%.

Il presente documento si riferisce esclusivamente ai campioni esaminati e non può essere riprodotto parzialmente.

**DESCRIZIONE DEL METODO ANALITICO:** Le determinazioni sono state effettuate in accordo ai metodi indicati, ovvero a metodi equivalenti proposti in

**ISS:** Rapporti Istisan 07/31 - Metodi analitici di riferimento per le acque destinate al consumo umano ai sensi del DL.vo 31/01 - Metodi chimici - Ed. ISS 2007.

**ISS:** Rapporti Istisan 07/5 - Metodi analitici di riferimento per le acque destinate al consumo umano ai sensi del DL.vo 31/01 - Metodi Microbiologici - Ed. ISS 2007.

**SM:** "STANDARD METHODS for the examination of water and wastewater, 2005, 21th. Ed., APHA, AWWA, WEF".

Metodi analitici per le acque - APAT - IRSA - CNR - ed. 2003, che permettono di ottenere identici risultati.

Nel caso in cui è stata seguita una differente procedura analitica viene riportato il riferimento bibliografico o il principio del metodo interno d'analisi impiegato (M.I.A.).

### CONSIDERAZIONI E PARERE A CURA DEL PROFESSIONISTA RESPONSABILE

**Tutti i risultati delle analisi effettuate sono conformi ai limiti di legge. Le analisi non evidenziano fenomeni, attribuibili alla rete di distribuzione comunale, che possano modificare le caratteristiche dell'acqua erogata. L'acqua risulta trattata con disinfettanti a base di cloro, con presenza di residui del disinfettante in concentrazione ottimale, tale da assicurare un'efficace barriera ossidante alla crescita microbica.**

Analisi eseguite nel laboratorio interno della società, certificato ISO 9001:2015.

Il Laboratorio opera in conformità delle procedure indicate dalla norma UNI CEI EN ISO/IEC 17025:2018.

Il certificato è rilasciato dal professionista responsabile, dr. chim. Giuseppe Riccio, ai sensi del R.D. 1/3/1928 n. 842, della legge 19/07/1957 n. 679 e successive modificazioni.

Il certificato è conforme all'art. 16 del R.D. 1/3/1928 n. 842 ed all' articolo 36 del DPR 328/2001.



**Il professionista responsabile**

**dr. Chim. Giuseppe Riccio**

**EurChem**