



Centro Analisi P.Q.A. srl



LAB N° 1187 L

TEST REPORT N° 250827149

Client

JH WATER TECHNOLOGY & CONSULTANCY
68 TARSHIHA TRIQ IL-KURUNELL LORENZO MANCHE'
PEMBROKE - PBK 1112 - MALTA (-)

SAMPLE: WATER
SAMPLE DESCRIPTION: Salini Resort - RO DEH/PWS 048001 &
SAMPLE QUANTITY: 1000ml
SAMPLE PACKING: Sterile single plastic bottle
DELIVERY DATE: 27/08/2025 **SAMPLING DATE:** 27/08/2025 h - &
START OF ANALYSIS: 27/08/2025 **RECORD N°:** 09 of 27/08/2025
END OF ANALYSIS: 03/09/2025 **REFERENCE LABORATORY NOTEBOOK:** 250827149 of 27/08/2025
SAMPLING BY: CLIENT
SAMPLING PROCEDURE: Carried out by the client*

ID NUMBER: 250827149 of 27/08/25

PARAMETERS ANALYTICAL METHOD	U.M.	RESULTS	UNCERTAINTY	LQ	Limits
Acrylamide* EPA 8032 1996	µg/l	<0,05		0,05	≤ 0,10
Antimony EPA 3005A 1992, EPA 6010D 2018	µg/l	<2,5		2,5	≤ 10
Arsenic EPA 3005A 1992, EPA 6010D 2018	µg/l	<2,5		2,5	≤ 10
Cadmium EPA 3005A 1992, EPA 6010D 2018	µg/l	<2,5		2,5	≤ 5,0
Chromium EPA 3005A 1992, EPA 6010D 2018	µg/l	<2,5		2,5	≤ 25
Lead EPA 3005A 1992, EPA 6010D 2018	µg/l	3,502	± 1,241	2,5	≤ 10
Mercury* APAT CNR IRSA 3200 A1 Man 29 2003	µg/l	<0,5		0,5	≤ 1
Nickel EPA 3005A 1992, EPA 6010D 2018	µg/l	<2,5		2,5	≤ 20
Selenium EPA 3005A 1992, EPA 6010D 2018	µg/l	<2,5		2,5	≤ 20
Bromate* EPA 300.1 1993	µg/l	<5		0,1	≤ 10

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Benzene APAT CNR IRSA 5140 Man 29 2003	µg/l	<0,01		0,01	≤ 1,0
1,2-Dichloroethene APAT CNR IRSA 5150 Man 29 2003	µg/l	<0,01		0,01	≤ 3
Epichlorhydrin* EPA 5030 C 2003 + EPA 8260 C 2018	µg/l	<0,05		0,05	≤ 0,10
Acenaphthene* EPA 3510C 1996 + EPA 8270 E 2018	µg/l	<0,01		0,01	
Acenaphthylene* EPA 3510C 1996 + EPA 8270 E 2018	µg/l	<0,01		0,01	
Anthracene* EPA 3510C 1996 + EPA 8270 E 2018	µg/l	<0,01		0,01	
Benzo(b)fluoranthene* EPA 3150C 1996 + EPA 8270E 2018	µg/l	<0,01			
Benzo(a)anthracene* EPA 3510C 1996 + EPA 8270 E 2018	µg/l	<0,01		0,01	
Benzo(a)pyrene* EPA 3150C 1996 + EPA 8270E 2018	µg/l	<0,01		0,001	≤ 0,010
Benzo (g,h,i) perylene* EPA 3510C 1996 + EPA 8270E 2018	µg/l	<0,01			
Benzo (k) fluoranthene* EPA 3150C 1996 + EPA 8270E 2018	µg/l	<0,01			
Chrysene* EPA 3510C 1996 + EPA 8270 E 2018	µg/l	<0,01		0,01	
Dibenzo(a,h)anthracene* EPA 3510C 1996 + EPA 8270 E 2018	µg/l	<0,01		0,01	
Fluorene* EPA 3510C 1996 + EPA 8270 E 2018	µg/l	<0,01		0,01	
Fluorantene	µg/l	<0,01			
Indeno (1,2,3-c,d)pyrene* EPA 3510C 1996 + EPA 8270E 2018	µg/l	<0,01			
Naphthalene* EPA 3510C 1996 + EPA 8270 E 2018	µg/l	<0,01		0,01	
Phenanthrene* EPA 3510C 1996 + EPA 8270 E 2018	µg/l	<0,01		0,01	
Pyrene* EPA 3510C 1996 + EPA 8270 E 2018	µg/l	<0,01		0,01	

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Tetrachloroethylene + Trichloroethylene* APAT CNR IRSA 5150 Man 29 2003	µg/l	<0,01		0,01	≤ 10
Trialomethanes* APAT CNR IRSA 5150 Man 29 2003	µg/l	<0,05		0,05	≤ 30
Cloroformio	µg/l	<0,05			
Bromoformio	µg/l	<0,05			
Dibromoclorometano	µg/l	<0,05			
Bromodichlorometano	µg/l	<0,05			
Vinyl Chloride* EPA 5030C 2003 + EPA 8260D 2018	µg/l	<0,1		0,1	≤ 0,50
Cloropicrin* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Dalapon* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Tetradifon* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Melathion* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Dimethoate* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Phenthoate* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Phosetyl-Al* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Glyphosate* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Ethiofencarb* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Cabaryl* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Mancozeb* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Zineb* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Ziram* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Simazine* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			

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Atrazine* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Prometryn* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Anilazine* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Tetrabutryn* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Permethrin* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Allethrin* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Diquat dibromide* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
MCPA* EPA 3510 C 1996 + EPA 8270 E 2018	µg/l	<0,01			
Aluminium EPA 3005A 1992, EPA 6010D 2018	µg/l	<15		15	≤ 200
Copper EPA 3005A 1992, EPA 6010D 2018	mg/l	<0,015		0,02	≤ 2
Cyanide* EPA 335.2	µg/l	<0,01			≤ 50
Iron EPA 3005A 1992, EPA 6010D 2018	µg/l	<15		15	≤ 200
Manganese EPA 3005A 1992, EPA 6010D 2018	µg/l	<2,5		2,5	≤ 50
Oxidability* APHA Standard method 4500 O2 D	mgO ₂ /l	<0,1			≤ 5
Pesticides* EPA 3510C 1996 + EPA 8270E 2018	µg/l	<0,01			
Pentachlorobenzene	µg/l	<0,01			
a-bhc	µg/l	<0,01			
Esachlorobenzene	µg/l	<0,01			
b-bhc	µg/l	<0,01			
Pentachloronitrobenzene	µg/l	<0,01			
g-bhc	µg/l	<0,01			
d-bhc	µg/l	<0,01			
Eptacloro	µg/l	<0,01			
Aldrin	µg/l	<0,01			
Isodrin	µg/l	<0,01			

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Eptacloro epossido A	µg/l	<0,01			
Eptacloro epossido B	µg/l	<0,01			
Ossiclordano	µg/l	<0,01			
Trans-clordano	µg/l	<0,01			
Cis-clordano	µg/l	<0,01			
o,p'-DDE	µg/l	<0,01			
Endosulfan I	µg/l	<0,01			
p,p'-DDE	µg/l	<0,01			
Dieldrin	µg/l	<0,01			
o,p'-DDD	µg/l	<0,01			
Endrin	µg/l	<0,01			
Endosulfan II	µg/l	<0,01			
p,p'-DDD	µg/l	<0,01			
o,p'-DDT	µg/l	<0,01			
Endosulfan sulfate	µg/l	<0,01			
p,p'-DDT	µg/l	<0,01			
Methoxychlor	µg/l	<0,01			
Mirex	µg/l	<0,01			
Pesticides - Total* <i>EPA 3510C 1996 + EPA 8270E 2018</i>	µg/l	<0,005		0,001	≤ 0,50
Polycyclic aromatic hydrocarbons (PAH)* (§ - 02) <i>APAT CNR IRSA 5080 cap. 5.10 Man 29 2003</i>	µg/l	<0,010		0,001	≤ 0,10
benzo(a) pirene		<0,010			
benzo(b) fluorantene		<0,010			
benzo(g,h,i) perilene		<0,010			
benzo(k) fluorantene		<0,010			
indeno(1,2,3 - c,d) pirene		<0,01			

Legend

U.M. = unit of measure

ND = not detected

LOQ = Limit of quantification

(*) Test not accredited by Accredia

(*) not accredited ACCREDIA

(§) Test performed in subcontract by (02) SIALAB S.R.L. LAB N° 1729 L

(&) Information provided by the customer for which the laboratory declines all responsibility

Limits refers to:

D.Lgs. N° 18 del 23 febbraio 2023 (Allegato 1, Parte A, B, C1 E D)

Summation in the analytical report:**Trialometani Totali:** Cloroformio, Bromoformio, Dibromoclorometano, Bromodichlorometano**Idrocarburi policiclici aromatici (IPA):** benzo(b) fluorantene, benzo(g,h,i) perilene, benzo(k) fluorantene, indeno(1,2,3 - c,d) pirene, benzo(a) pirene

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The lower limit of the measurands is calculated as a function of weights, dilutions and the first point of the straight line (LR adjusted).

The results refer only to the sample (s) tested. In the case of sampling not performed by the Laboratory, the latter is not responsible for the sampling itself nor for the aspects and related information and the results refers to the sample as received. The test report must not be partially reproduced without the written approval of the Laboratory.

The measurement uncertainty is expressed as extended uncertainty with a confidence level of around 95% and $k_p = 2$.

Microbiological tests: in water matrix, the measurement uncertainty is calculated in accordance with ISO 8199:2018; in food and surfaces matrix, the measurement of extended uncertainty is estimated in accordance with ISO 19036:2019 and combined uncertainty has been assumed as intralaboratory standard deviation. When the surfaces's sampling is performed by the client, the result, is obtained through the elaboration of the information from the client himself.

In making of the conformity judgment the Laboratory doesn't take into account the associated uncertainty.

For chemical parameters, the recovery of individual analytes is between 80% and 120% and has not been used to correct the results.

The laboratory uses the "Lower Bound" rule for calculating summations.

Date: 09/09/2025

Technical Manager

Dott.ssa Margherita Siringo

Director of the Laboratory

Dott.ssa Maria Grazia Micieli

End of the Analytical report
