



QUARTERLY REPORT BOTTLED WATER QUALITY

(January-March, 2022)



PAKISTAN COUNCIL OF RESEARCH IN WATER RESOURCES
Ministry of Science & Technology
Khyban-e-Johar, H-8/1, Islamabad.
www.pcrwr.gov.pk

January-March, 2022



SUMMARY

The poor quality of drinking water has forced a large cross-section of citizens to buy bottled water. However, many of the mineral water companies were found selling contaminated water. To monitor and improve the quality of bottled water, the government of Pakistan through Ministry of Science and Technology has designated the task for quarterly monitoring of bottled/mineral water brands to PCRWR. According to the monitoring report for the quarter January-March, 2022 following is the brief overview of the findings.

Quarterly Monitoring of Bottled/Mineral Water (January-March, 2022)

Item	No.	% age
Total No. of Brands Collected	170	-
Overall Safe Brands	153	90
Overall Unsafe Brands	17	10
Chemically Safe Brands	157	92
Chemically Unsafe Brands	13	08
Microbiologically Safe Brands	165	97
Microbiologically Unsafe Brands	05	03

Name of Targeted Cities (21)	(Islamabad, Rawalpindi, Multan, Sargodha, Sahiwal, Faisalabad, Quetta, Peshawar, Tando Jam, Gujranwala, Sukkur, Badin, Sialkot, D.I.Khan, Bahawalpur, Karachi, Lahore, Mianwali, Loralai, Gilgit, Muzaffarabad)
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Unsafe Brands	City Spring	City Industries: Danewal Town, Lahore, Road Vehari.
	Aab-e-Noor	A Product by: Gul Baba Plastic Recycling Co. Plot No.113,S.S.I.C Suite All Wahan Rohri Distt Sukkur
	ATCO	A.K Interprises Shara-e-Faisal Karachi www.atcowater.com.pk
	Doctor	Collected from Sadique Medical Store, Birag Road, Teer Chowk, Sukkur
	VOLVO Water	M/s Al Syed Industries Pvt Ltd. Quetta Alsyed.ind@gmail.com
	Evians Safe Life	MGI (Manj Group of Industries) Main GT Road Near Kalashah Kaku Toll Plaza
	Ab-e- Haram	Sector 13-E, New Saeedabad, Baldia Town Karachi.
	Blue Plus	KISWAH Traders: Gadab Town.
	Blue Ice	Asghar & Sons Karachi 0313-3798495, 0315-2164060 CM/L-2525
	ALPHA	Qaiser enterprises, N block, B-261, N, Nazimabad, Karachi
	IMPERIAL	Imperial Foods International: Plot No.347,Adjacent Engro Foods Rohri Sukkur
	More Plus	Soft Drinking Water, Sukkur
	Nation Pure Water	Rameez Enterprises: 9 km G.T Road, Rachna Town, Ferozwala.
	Hi-Fresh	Product of NBFO Pakistan: MadinaFarms,84-N.B. Sargodha www.hi-freshwater.com
	Supreme Natural	Railway Gate No.1,Greebabad,Faisalabad.
DYLAN Natural	Dylan Natural Water: Main Satyana Road, Near Zam Zam Marriage Hall, Faisalabad.	
Lasani	Near Satowali high school Basit Jam Opp. Shah Poultry Farm Bahawalpur.	



INTRODUCTION

Drinking water quality is deteriorating continually due to biological contamination from human waste, chemical pollutants from industries and agricultural inputs. Piped water also gets contaminated because pipes are laid very close to sewerage lines or open drains and cause many serious water borne diseases. It was found that 45% of infant deaths have been attributed to diarrhea and about 60% to overall infectious waterborne diseases in Pakistan. According to the World Health Organization (WHO) 25-30% of the diseases are gastro-intestinal in nature. The poor quality of drinking water has forced a large cross-section of citizens to buy bottled water. As a consequence of this expanding market a mushroom growth of bottled water industry in the country is witnessed during the last few years. However, many of the mineral water companies were found selling contaminated water. To monitor and improve the quality of bottled water, the government of Pakistan has designated the PCRWR as focal point agency.

1. Ministry of Science & Technology informed PCRWR Vide U.O. No. 5(21)/2004-ATA-II dated 17.10.2005 that the Cabinet in its meeting under the chairmanship of Prime Minister directed Ministry of Science & Technology to undertake regular survey/samples of bottled/mineral water and publicize the results on a quarterly basis and follow up with punitive/legal action.
2. Ministry of Science & Technology has assigned the task of quality monitoring of bottled water and publicize the results to PCRWR Vide U.O. No.1(1)/2005-Secy (MoST) dated 8.12.2005.

PCRWR SAMPLING METHODOLOGY

No. of Brands Collected	170	
No. of Cities Targeted (21)	(Islamabad, Rawalpindi, Multan, Sargodha, Sahiwal, Faisalabad, Quetta, Peshawar, Tando Jam, Gujranwala, Sukkur, Badin, Sialkot, D.I.Khan, Bahawalpur, Karachi, Lahore, Mianwali, Loralai, Gilgit, Muzaffarabad)	
Composition of Sampling Team as per MoU Signed between PCRWR & PSQCA	One Research Officer and one Laboratory Assistants from PCRWR and Senior staff member and field officer from PSQCA.	
Sampling Procedure	Samples of 170 commercially available brands of mineral/bottled water were collected from local market of twenty-one cities of Pakistan. These samples were collected by the senior staff members of National Water Quality Laboratory (NWQL) of PCRWR Head Office and Regional/district Water Quality Laboratories of PCRWR during January-March, 2022. A set of four bottles of each brand was collected and sealed on site. Identification codes were allotted to all the brands according to PCRWR Bottled Water Classification System.	
Transparency	Sample No. 1	Handed over to shopkeeper at the time of sample collection;
	Sample No. 2	Preserved in the National Water Quality Laboratory of PCRWR, Islamabad for future record.
	Sample No. 3	Used for Microbiological Analysis
	Sample No. 4	Used for Physico-chemical Analysis



PCRWR BOTTLED WATER CLASSIFICATION SYSTEM

Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address on Label
Ora Pure	BWG-01	Islamabad	09/02/2022	12/2022	1.5 Liter	Collected from manufacturing point	Aim Arcade, Commercial, D-12 Markaz Islamabad.
OPAL+	BWG-02	Islamabad	09/02/2022	11/2022	1.5 Liter	Collected from manufacturing point	Shop No.1 Dost Muhammad Market, Lehtrar Road, Islamabad
Dew Drop	BWG-03	Islamabad	09/02/2022	12/2022	19 Liter	Collected from manufacturing point	Street No.7,F-11/1 Main Golra Service Road, Islamabad.
Premium Spring	BWG-04	Islamabad	09/02/2022	09/2022	0.5 Liter	Collected from manufacturing point	376 Margalla Hill Road, Near Buddha Caves, Shah Allah Ditta Islamabad.
Elim	BWG-05	Islamabad	10/02/2022	12/2022	1.5 Liter	Collected from manufacturing point	Islamabad Expressway, Near Paradise Complex Kuri Road, Islamabad.
Aqua Emporium	BWG -06	Islamabad	10/02/2022	12/2022	0.5 Liter	Collected from manufacturing point	Naval Anchorage Main Japan Road,Sihala Khurd Islamabad.
MARWA Water	BWG-07	Islamabad	10/02/2022	12/2022	0.5 Liter	Collected from manufacturing point	Plot No.1, Street B-1, Sector B, Marwa Town, Islamabad.
SOLONEY	BWG-08	Islamabad	10/02/2022	09/2022	0.5 Liter	Collected from manufacturing point	Plot No.02, St#13, Ghouri Garden, Islamabad.
Pure Sip	BWG-09	Islamabad	10/02/2022	10/2022	0.5 Liter	Collected from manufacturing point	Plot No.5,Street No.15,Ghouri Garden Islamabad.
Shaafi	BWG-10	Islamabad	10/02/2022	10/2022	0.5 Liter	Collected from manufacturing point	Plot No.5,Street No.15,Ghouri Garden Islamabad.
Ripple Water	BWG-11	Rawalpindi	10/02/2022	12/2022	0.6 Liter	Collected from manufacturing point	Sector 3 Plot 769, Street 6, Al Noor Colony Khana Pull, Rawalpindi
Water Empire	BWG-12	Islamabad	10/02/2022	09/2022	0.5 Liter	Collected from manufacturing point	Plot No.156, Japan Road, Islamabad.
Pacific Pure	BWG-13	Islamabad	10/02/2022	12/2022	0.5 Liter	Collected from manufacturing point	1-km, Japan Road, Zone V, Islamabad.
Al-MENA	BWG-14	Islamabad	10/02/2022	12/2022	0.5Liter	Collected from manufacturing point	Japan Road, Near Railway Phatak Islamabad.
Nectar	BWG-15	Islamabad	10/02/2022	12/2022	1.5 Liter	Collected from manufacturing point	Islamabad Expressway, Near Paradise Complex, Islamabad.
Aqua Green	BWG-16	Islamabad	10/02/2022	10/2022	1.5 Liter	Collected from manufacturing point	Aqua Green: Plot No.372 Japan Road, Naval Encourage Gate No.2, Islamabad
Safa Plus	BWG-17	Islamabad	11/02/2022	12/2022	1.5 Liter	Collected from manufacturing point	Park View Road, Malot Islamabad.
Fresh Life	BWG-18	Islamabad	11/02/2022	12/2022	1.5 Liter	Collected from manufacturing point	Khana Dak, Park Area Pindorian, Islamabad
Nestol	BWG-19	Islamabad	11/02/2022	10/2022	0.6 Liter	Collected from manufacturing point	Khana Dak, Park Area Pindorian, Islamabad



Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address on Label
EDGE	BWG-20	Islamabad	11/02/2022	09/2022	0.6 Liter	Collected from manufacturing point	Khana Dak, Park Area Pindorian, Islamabad
Calci Dew	BWG-21	Islamabad	11/02/2022	12/2022	0.6 Liter	Collected from manufacturing point	Plot No.3, Khasra No. 659 Sohan, Near Khalid Bin Waleed Masjid Federal Area, Sohan Islamabad
Maple Plus	BWG-22	Islamabad	11/02/2022	10/2022	0.5 Liter	Collected from manufacturing point	Maple Plus Purification Plant Plot No.2, Near Khalid Bin Waleed Masjid Federal Area, Sohan Islamabad
Elovina	BWG-23	Islamabad	11/02/2022	12/2022	0.6 Liter	Collected from manufacturing point	Plot No.17, Street No. 3, Federal Area, Sohan Islamabad.
Drink It	BWG-24	Islamabad	11/02/2022	12/2022	0.6 Liter	Collected from manufacturing point	Plot No.27, Street No.3-A, Muhammadi Town, Islamabad
TWS	BWG-25	Islamabad	11/02/2022	12/2022	0.6 Liter	Collected from manufacturing point	Plot No.544, St.No.18,VIP Ghouri Town Near Khana Pull Islamabad.
Aqua Stream	BWG-26	Islamabad	11/02/2022	10/2022	0.6 Liter	Collected from manufacturing point	Plot#368, St 5, Sector I-9/3, Islamabad
Hydra	BWG-27	Islamabad	11/02/2022	12/2022	0.5 Liter	Collected from manufacturing point	Bottled by: Pakistan PVC Limited (Food Division) 31-A, Sector Islamabad.
H2O Unique	BWG-28	Islamabad	11/02/2022	11/2022	0.6 Liter	Collected from manufacturing point	Address: Eman Plaza Main Murree Road, Behar kahu Islamabad
SEAROSE	BWG-29	Sahiwal	03/02/2022	-	0.6 Liter	Usma Cold Drink Mazdoor Puli Sahiwal	-
New Natural	BWG-30	Sahiwal	03/02/2022	-	0.6 Liter	Sajid Drink Corner Lari Adda Sahiwal	Madina town, near 39 Chongi, chichawatni, Sahiwal
Springta	BWG-31	Sahiwal	03/02/2022	-	0.5 Liter	Butt General Store Mishon Chowk Sahiwal	RD Gate number 5, Sargodha Cantt
Murree Sparkletts	BWG-32	Sahiwal	03/02/2022	-	0.6 Liter	Faridi General Store Mazdoor Puli Sahiwal	A Division Of Murree Brewery Co.Ltd: Plot No.102, Phase III, Industrial Estate, Hattar.
Happy Life Vital	BWG-33	Sahiwal	03/02/2022	-	0.6 Liter	Shabaz Karyana Store Al masjid Chowk Sahiwal	Bypass road, near Meezan Kanta, Multan road near Sahiwal
Freshley	BWG-34	Sahiwal	03/02/2022	-	0.6 Liter	Fhike Cold Drink Corner Jogi Chowk Sahiwal	Madina water Bottling Plant: Arifwala Road, Pull Fordwah, West Link Road, Bahawalpur. freshleywaterbwn@gmail.com
Freshin	BWG-35	Sahiwal	03/02/2022	-	0.6 Liter	Butt General Store Mishon Chowk Sahiwal	F.R Foods: Plot No.364, Jeevan City Phase 1, Madhall Road, Sahiwal.
Clear	BWG-36	Sahiwal	03/02/2022	-	0.6 Liter	Hanan Medical Store Mishon Chowk Sahiwal	Hasan AGRO Food & Industries: 173/A, Small Industrial Estate, Sahiwal. www.hafifood.food@gmail.com
Vividle	BWG-37	Gilgit	01/02/2022	07/2022	1.5 Liter	Pervez Alif Plaza KKH Danyore Chowk Gilgit.	Bottled by Vividle Private Limited: Near Old China Bridge, Danyore Gilgit www.vividle.com



Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address on Label
SUJO	BWG-38	Gilgit	01/02/2022	-	1.5 Liter	Khalil and Brothers Bakers Near KIU Gilgit.	A Product of Sujo Punar: Salar Road, Jutial Gilgit. www.sujopunar.com
Seven Springs	BWG-39	Gilgit	01/01/2022	12/2022	1.5 Liter	Khalil and Brothers Bakers Near KIU Gilgit.	A Product of AL-Kosar foods GB, Pakistan. 7springsgb@gmail.com
Himalaya	BWG-40	Gilgit	01/02/2022	09/2022	1.5 Liter	Pervez Alif Plaza KKH Danyore Chowk Gilgit.	A Product of Ali Foods & Beverages: Main KKH Juglood Guro Gilgit, Pakistan alifoodsandbeverages@gmail.com
Oxford Pure Water	BWG-41	Sargodha	10/02/2022	01/2023	0.5 Liter	Arfan General Store Lari Adda Sargodha.	Gulistan-e-Johar Town, Sargodha Pakistan. 0300-2309465
Arwafina	BWG-42	Sargodha	10/02/2022	12/2022	0.6 Liter	Sargodha General Store, Railway Station, Sargodha.	Bhalwal Shah Pur Road, Opposite to fauji Foods Limited.
Hi-Fresh	BWG-43	Sargodha	10/02/2022	12/2022	0.6 Liter	Muzammal General Store,Lari Adda, Sargodha.	Product of NBFO Pakistan: MadinaFarms,84-N.B. Sargodha www.hi-freshwater.com
Ness Pak	BWG-44	Sargodha	10/02/2022	01/2023	0.6 Liter	Taha General Store,Qanchi More Sargodha.	MW Sons. 0321-6307303 Reg No.440050
Natural Water Pack	BWG-45	Sargodha	10/02/2022	-	0.5 Liter	Haji Liaqat General Store,Lari Adda Sargodha	Khan Enterprises: Khushab Road, Opposite IBFM Sargodha. Registered RF/SGD/22 0341-0070365
FAIHA Aqua	BWG-46	Multan	12/02/2022	12/2022	1.5 Liter	Collected from manufacturing point	Bottled by FAIHA Enterprises Multan, Green Road Kekar Wala Sujana Pur Multan
City Spring	BWG-47	Multan	12/02/2022	12/2022	0.6 Liter	Collected from manufacturing point	City Industries: Danewal Town, Lahore, Road Vehari.
Alpine Pure	BWG-48	Multan	12/02/2022	11/2022	0.6 Liter	Collected from manufacturing point	Address: 7-Sanpal Market, Shalimar Colony, Multan 0315-6056111 03330671347
Rare Dew Drop	BWG-49	Mianwali	11/02/2022	-	1.5 Liter	Collected from manufacturing point	Filtration Plant Wandhi Roshan Wali Shehbaz Street Mianwali.
Life	BWG-50	Mianwali	11/02/2022	-	1.5 Liter	Bisma Tuc Shop Lari Adda Mianwali.	Manufactured by Life Beverages: Plot No.197, Tughlaq Town, Multan. lifeminerallwatermultan@gmail.com
OASIS Plus	BWG-51	Sialkot	28/01/2022	11/2022	0.6 Liter	Hunny Cold Corner, Lari Adda, Sialkot.	www.oasisplus.com.pk
Natural LAPANI	BWG-52	Sialkot	28/01/2022	12/2022	0.5 Liter	Hunny Cold Corner, Lari Adda, Sialkot.	Manzoor food Beverage co, main road, challa Mandi, Jmke Cheema, Tehsil Daska Sialkot
Bake Master	BWG-53	Sialkot	28/01/2022	01/2023	0.5 Liter	Bake Master Bakery Lari Adda, Sialkot.	Processed and Bottled by: Bake Master Food & Beverages Marala Road New Abadi Muradpur Sialkot.
Masafi	BWG-54	Sialkot	28/01/2022	09/2022	0.5 Liter	Baba Pan Shop, Near 8 No.Chungi Zafarwall Road, Sialkot.	Masafi Pure enterprises Eminabad Road, Sialkot.



Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address on Label
Dazzling Water	BWG-55	Sialkot	28/01/2022	01/2023	0.5 Liter	Collected from manufacturing point	IR water Company Sialkot. Irwc2008@yahoo.com
Zam Zam	BWG-56	Sialkot	28/01/2022	01/2023	0.5 Liter	Collected from manufacturing point	A Product by: Rehbil Traders 0344-9298890
K&S Aqua Sea	BWG-57	Sialkot	28/01/2022	11/2022	0.5 Liter	Bila Pan Shop Near Bilo Mehar Street Zafarwall Road, Sialkot.	A Product of K&S Pvt Ltd. A-22847 Dulewala Naya Mallay Chak Road, Sialkot aquasea44@gmail.com
Marine Global	BWG-58	Sialkot	28/01/2022	11/2022	0.5 Liter	Naqeebi General Store, China Chowk Wazirabad Road, Sialkot.	Matine Global, International co, Pvt limited
Isberg	BWG-59	Sialkot	28/01/2022	01/2023	0.5 Liter	Collected from manufacturing point	Premier Water Refining Company: Wazirabad Road, Noul Morr 2 km Roras Road West, Dhabba Sialkot.
DJOUR	BWG-60	Sialkot	28/01/2022	01/2023	0.6 Liter	Collected from manufacturing point	Djour Water Company: Eminabad Road, Sialkot.
Aab'e Dubai	BWG-61	Badin	01/02/2022	01/2023	0.25 Liter	New Moiz Traders Tarai Stop Badin	Produced by: Alpine Water Company: under License Alpine Pure Drinking Water LLC United Arab Emirates
ZALMI	BWG-62	Badin	01/02/2022	12/2023	0.6 Liter	Lala Faheem Bakers Khoski Stop Badin	A Product by S.S. Beverages co, Matli T.M No.446756
Gourmet	BWG-63	Badin	01/02/2022	08/2022	0.6 Liter	New Moiz Traders Tarai Stop Badin	Gourmet Foods: Gate # 1, Plot 1-5, Sunder Industrial Estate, Raiwind Sunder Road, Lahore, Pakistan
MARVI	BWG-64	Badin	01/02/2022	12/2023	0.6 Liter	Al-Murtaza Bakers Cantt Road, Badin	Bottled By: MARVI Bottle T.G Ali Road, Matli.
PURE Next	BWG-65	Badin	01/02/2022	04/2022	0.6 Liter	New Shabaz Bakers Golarchi Road, Badin	Filled by: Mezan Beverages (Pvt) Ltd 45 km, Multan Road, Lahore
JEL	BWG-66	Badin	01/02/2022	12/2022	0.6 Liter	New Moiz Traders Tarai Stop Badin	Produced By: Mega Fina Industries: Plot No.A-79, Industrial Area Malir Karachi.
MEHRAN	BWG-67	Badin	01/02/2022	12/2023	0.6 Liter	New Shabaz Bakers Golarchi Road, Badin	T.M No.244547 K.B. Beverages Co. Matli.
Pak Aqua	BWG-68	Faisalabad	20/01/2022	-	0.5 Liter	Waseem Cold Corner GTS Faisalabad	Filled by PAK Aqua R.O Mineral Water: St No.6, Abdullah Colony, Faisalabad.
Excellent Natural	BWG-69	Faisalabad	21/01/2022	01/2023	0.6 Liter	Kashif Cold Corner lari Adda Faisalabad.	Excellent Natural FAISALABAD 0300-8668769
Supreme Natural	BWG-70	Faisalabad	20/01/2022	01/2023	0.5 Liter	Hafiz Tuc Shop GTS Faisalabad	Railway Gate No.1,Greebabad,Faisalabad.
Blu Water	BWG-71	Faisalabad	21/01/2022	12/2022	0.5 Liter	Bismillah Pan Shop Lari Adda Faisalabad.	Al-Hilal Beverages Pvt Ltd. Sultan Nagar, Vehari Road, Multan.
ARA Water	BWG-72	Faisalabad	21/01/2022	08/2022	0.5 Liter	Idress Pan Shop Lari Adda Faisalabad.	Ahmed Town, Factory Area, Jhang Saddar.
Ziran	BWG-73	Faisalabad	20/01/2022	-	0.5 Liter	Brother Tuc Shop GTS Faisalabad	21 km Industrial Area Ferozepur Road, Lahore



Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address on Label
Aqua Life	BWG-74	Faisalabad	21/01/2022	08/2022	0.5 Liter	Idress Pan Shop Lari Adda Faisalabad.	Plot No.113,Main Road, Near Judge Wala Faisalabad.
DYLAN Natural	BWG-75	Faisalabad	20/01/2022	11/2022	0.5 Liter	Gill Pan Shop GTS Faisalabad	Dylan Natural Water: Main Satyana Road, Near Zam Zam Marriage Hall, Faisalabad.
Best Natural	BWG-76	Faisalabad	20/01/2022	11/2022	0.5 Liter	-	Bhatti Brothers: G.T Road, Rachna Town Ferowala.
Nation Pure Water	BWG-77	Faisalabad	20/01/2022	12/2022	0.6 Liter	Usman Gujjar Drink Corner GTS Faisalabad	Rameez Enterprises: 9 km G.T Road, Rachna Town, Ferozwala.
Pure Nature	BWG-78	Faisalabad	20/01/2022	12/2022	0.5 Liter	Gill Pan Shop GTS Faisalabad	Pak Enterprises: 9 km G.T. Road, Rachna Town, Ferozwala.
IMMA	BWG-79	Muzaffarabad	16/02/2022	11/2022	0.6 Liter	Collected from manufacturing point	Ward No.20 Chehla Bandi Muzaffarabad.
Soft Water Aab-e-Kashmir	BWG-80	Muzaffarabad	16/02/2022	01/2023	0.6 Liter	Collected from manufacturing point	Plot No.C-18,Mini Industrial Estate Chela Muzaffarabad.
SMAK	BWG-81	Muzaffarabad	17/02/2022	01/2023	0.5 Liter	Khabar milk Shake Gillani Adda, Muzaffarabad.	Bottled by: SMAK 0316-0888108 0342-2942853
Aqua Best	BWG-82	LoraLai	17/02/2022	11/2022	1.5 Liter	Al Madina Traders Near Bacha Khan, Chowk Loralai	A Quality Product of Aqua Best Company: BB-19, Defence View, Karachi. Aqua.de.royale@gmail.com
Dasani	BWG-83	LoraLai	17/02/2022	12/2022	1.5 Liter	Asmat Ullah Trading Company Near civil Hospital Loralai.	Coca Cola Beverages Pakistan Limited (CCBPL) 26 FCC, Syed Muratab Ali Road, Gulberg IV, Lahore
Aquafina	BWG-84	LoraLai	17/02/2022	11/2022	1.5 Liter	Al Madina Traders Near Bacha Khan, Chowk Loralai	Pakistan Beverages Limited, Survey No.212,Deh Konkar,District Malir, Karachi.
AAB-E-MUSKAN	BWG-85	Sukkur	15/02/2022	-	0.5 Liter	Sabzi Mandi Sukkur	Zam Zam Plastic S.I.T.E Manufacture Pet Bottles Caps Shrink Rapping Labels Neck Seal & Water Plants Accessories
R.K Pure Drinking Water	BWG-86	Sukkur	15/02/2022	-	0.25 Liter	Sukkur Toll Plaza	R.k Pure Drinking Water Co. main Road Therhi Habibabad The & Distt. Khair Pur
INDUS	BWG-87	Sukkur	15/02/2022	-	0.6 Liter	Afzal General Shop Sukkur	Bottled By H ₂ O EVO Pakistan 0317-2152000
IMPERIAL	BWG-88	Sukkur	15/02/2022	-	0.5 Liter	Collected from manufacturing point	Imperial Foods International: Plot No.347,Adjacent Engro Foods Rohri Sukkur
New Natural Pure Life	BWG-89	Sukkur	14/02/2022	-	0.5 Liter	Railway Station Sukkur	New Natural Pure Life
Aab-e-Noor	BWG-90	Sukkur	14/02/2022	-	0.6 Liter	Ajaz general Shop, Near Hira hospital Sukkur.	A Product by: Gul Baba Plastic Recycling Co. Plot No.113,S.S.I.C Suite All Wahan Rohri Distt Sukkur
MEZAN	BWG-91	Sukkur	15/02/2022	-	0.6 Liter	Barkat General Store, New Bus Terminal Sukkur	ZAM ZAM Plastic S.I.T.E Karachi. 03051871142
ATCO	BWG-92	Sukkur	14/02/2022	-	0.6 Liter	M. Rizwan General Store Sukkur	A.K Interprises Shara-e-Faisal Karachi www.atcowater.com.pk



Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address on Label
More Plus	BWG-93	Sukkur	14/02/2022	-	0.5 Liter	Raheel general Store, Near Goth Shikarpur Road Sukkur	Soft Drinking Water
Aab-e-Gul	BWG-94	Sukkur	14/02/2022	-	0.5 Liter	Delicus Bakers Near Sukkur BISE.	Gul Brothers (Pvt) Ltd. B-70,S.I.T.E Area, Sukkur info@gulbrothers.com
Salsabeel	BWG-95	Sukkur	14/02/2022	-	1.5 Liter	Nadeem General Store,Sukkur.	Plot No.A-61/62, Sindh Small Industries, Near S.I.T.E Grid Station Labour Colony Golimar Sukkur.
Doctor	BWG-96	Sukkur	14/02/2022	-	0.5 Liter	Sadique Medical Store, Birag Road, Teer Chowk, Sukkur	-
Chiltan Aqua	BWG-97	Quetta	14/02/2022	-	1.5 Liter	LJ General Store SMC Quetta	A Product By: BMG Foods Qambarani Road, Quetta
BOLANIA	BWG-98	Quetta	14/02/2022		1.5 Liter	Al-Raheem Pharmacy SMC Quetta	M/S KYK Manufactures Opposite Arbab CNG Near Salar Autos Spini Road, Quetta
VOLVO Water	BWG-99	Quetta	14/02/2022	10/2022	1.5 Liter	Naeem General Store Jinnah Road Quetta	M/s Al Syed Industries Pvt Ltd. Alsyed.ind@gmail.com
Evians Safe Life	BWG-100	Quetta	14/02/2022	-	1.5 Liter	Naeem General Store Jinnah Road Quetta	MGI (Manj Group of Industries) Main GT Road Near Kalashah Kaku Toll Plaza
Aqua Hygienic	BWG-101	Quetta	14/02/2022	-	1.5 Liter	Good Luck Store SMC Quetta	Marketed By Zauhras: Plot No.2, Street#12, Faisal Town Brewery Road Quetta
NEXUS	BWG-102	Quetta	14/02/2022	12/2022	1.5 Liter	Good Luck Store SMC Quetta	A Product by: D'Real Foods Beverages: 2km, Industrial Zone Bostan, Balochistan.
Pine'o	BWG-103	Bahawalpur	08/03/2022	11/2022	0.5 Liter	Usman Pharmacy M/TC Road, Bahawalpur.	Under Licence: Gysing Pak DDR-1, PSIE Bahawalpur. gysing@live.com
Lasani	BWG-104	Bahawalpur	08/03/2022	02/2023	0.6 Liter	Doctor Plus Pharmacy M/TC Road, Bahawalpur	Near Satowali high school Basit Jam Opp. Shah Poultry Farm Bahawalpur.
Elayn Plus	BWG-105	Bahawalpur	08/03/2022	12/2022	0.5 Liter	Riaz Medical Store, M/TC Road, Bahawalpur.	A Product of Sajid Food Industry: Basti Pir Kabir Mozah Jhand Jhangi Wala, Bahawalpur.
FUSION	BWG-106	Bahawalpur	08/03/2022	11/2022	0.5 Liter	Doctor Plus Pharmacy M/TC Road, Bahawalpur	782-G04, Tarique centre, Fatima road, Johar town, Lahore
Aqua Refine	BWG-107	Bahawalpur	08/03/2022	02/2023	0.5 Liter	Discount Pharmacy M/TC Road, Bahawalpur	Al Hafeez centre, near tower Shahtab colony, Bahawalpur
Nero	BWG-108	Bahawalpur	08/03/2022	02/2023	1.5 Liter	Arham Pharmacy M/TC Road, Bahawalpur	Warda enterprises, Bahawalpur,
KaraKorum Flow	BWG-109	Gujranwala	18/02/2022	-	1.5 Liter	Rustaam Pan Shop, Gujranwala	Karakorum Foods PVT Ltd., 21-km, off Ferozpur Raod, Lahore
H ₂ OPE	BWG-110	Gujranwala	18/02/2022	-	1.5 Liter	Zeeshan Pan Shop Gujranwala.	Plot number ,155, Multan, Industrial estate, phase 2, Multan
Aqua Royal	BWG-111	Gujranwala	18/02/2022		0.6 Liter	Zeeshan Pan Shop Gujranwala	Pasroor Road, Sialkot. 0321-6668883 aquaroyals@gmail.com



Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address on Label
Jami Water	BWG-112	Gujranwala	18/02/2022	-	1.5 Liter	Collected from manufacturing point	Gujranwala Branch: G-91, Opposite UBL Bank, Garden Town, Phase –II Gujranwala.
Al-Shalal	BWG-113	Gujranwala	18/02/2022	-	1.5 Liter	Collected from manufacturing point	Bottled and Sourced at AZO Enterprises: Seokay, 14 km-Sialkot Aminabad Road, Sialkot.
Ripples	BWG-114	Hyderabad	15/02/2022	-	1.5 Liter	Wahdat general Store Hyderabad	A New Life Everyday CM/L-4391/2821
OSLO	BWG-115	Hyderabad	15/02/2022	-	1.5 Liter	Royal Bakery Pakora Stop Qasimabad Hyderabad	Oslo International, Karachi. 14- Ramzan Chamber Dr Bilmoria Street off: 1.1 Chandigarh Road Karachi.
Pak Crystal	BWG-116	Peshawar	03/03/2022	-	1.5 Liter	Collected from manufacturing point	A-89, Industrial Estate Hayatabad
Aqua Splash	BWG-117	Peshawar	03/03/2022	-	1.5 Liter	Collected from manufacturing point	Euro International: 192- A Industrial Estate, Hayatabad, Peshawar
Aquamin Plus	BWG-118	Peshawar	03/03/2022	03/2023	0.6 Liter	Collected from manufacturing point	Bottled By Naseer & Sons: Plot No. 143, Affridi Marbal Industrial Estate Hayatabad Peshawar
Wah Water	BWG-119	Peshawar	03/03/2022	03/2023	0.6 Liter	Collected from manufacturing point	Plot # 141, 7-Industrial Estate, Hayatabad, Peshawar. Web:www.aqwah.com
Nebraska	BWG-120	Peshawar	03/03/2022	07/2023	0.6 Liter	Collected from manufacturing point	Bottled at Dew Point Healthcare Water Purification and Processing Facility: 12-C, Industrial Estate, Hayatabad, Peshawar
Aqua Pura Smart	BWG-121	Peshawar	03/03/2022	01/2023	0.6 Liter	Collected from manufacturing point	K & S Khawaja & Sons: Plot No.45-A, Industrial Estate Hayatabad Peshawar
Sabil	BWG-122	Peshawar	03/03/2022	-	0.6 Liter	Collected from manufacturing point	I & S International: Plot No.87/88-A, Industrial Estate Hayatabad.
Aqua Drink	BWG-123	Peshawar	03/03/2022	03/2023	0.6 Liter	Collected from manufacturing point	Smart Food International: 143, Industrial Estate Hayatabad.
Ab-e-Khyber	BWG-124	Peshawar	03/03/2022	-	0.6 Liter	Collected from manufacturing point	Processed and filled at: Plot No 87-88 A Hayatabad small industrial State Peshawar.
Natural Aqwah Water	BWG-125	Peshawar	03/03/2022	03/2023	0.6 Liter	Collected from manufacturing point	RG Enterprises: Plot # 141, 7- Industrial Estate, Hayatabad, Peshawar. Web:www.aqwah.com
Aquatic Fresh	BWG-126	Peshawar	03/03/2022	02/2023	1.5 Liter	Collected from manufacturing point	Royal Food Industries: Plot#1-C, Industrial Estate Hayatabad, Peshawar
Moya Mineral	BWG-127	Peshawar	03/03/2022	01/2023	1.5 Liter	Collected from manufacturing point	Al-Saudia Enterprises: Plot 580/B Main Gulberg Peshawar Cantt
Top Up	BWG-128	Peshawar	03/03/2022	02/2023	1.5 Liter	Collected from manufacturing point	Top Up Industry:Plot#C-3, Industrial Estate Hayatabad Peshawar
Alfa	BWG-129	Peshawar	03/03/2022	-	1.5 Liter	Collected from manufacturing point	A-89, Industrial Estate Hayatabad



Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address on Label
Aqua Health	BWG-130	Karachi	11/02/2022	-	0.6 Liter	Insaaf General Store Main Highway Road Jinnah Heights Karachi	0335-3116251 0316-2674170 Lic No.CM/L-4368/2021
Water Plus	BWG-131	Karachi	11/02/2022	-	0.6 Liter	Umm e Hania Cold & General Store, Ghosia Road, Agra Taj Colony Lyari	Bottled by MEGAFINE Industries: Plot No. A-79 Industrial Area Malir, Karachi.
Ab-e- Haram	BWG-132	Karachi	14/02/2022	-	0.6 Liter	New MM Medical general Store Gulshan-e-Iqbal Block No.13 B Karachi	Sector 13-E, New Saeedabad, Baldia Town Karachi.
Culligan	BWG-133	Karachi	11/02/2022	01/2023	0.5 Liter	New Sohni Sweets bakers & Nimco Malir Cantt Karachi	Bottled by: Culligan Water of Pakistan, Johan (Pvt) Ltd. F-17/A, Hub River Road, S.I.T.E Karachi.
Aqua SHARAV	BWG-134	Karachi	11/02/2022	-	0.5 Liter	Bhatti Milk Shop Ayoub Goth Near Pesir lab	Powered by: RO Plant Pakistan. 0300-0474180 0312-7427289 TM No.597905
UF Pure EDGE	BWG-135	Karachi	11/02/2022	-	0.6 Liter	Hazrat General Store Main Highway Road Jinnah Heights Karachi	A product Of UF Enterprises: A 80/A, Ground Floor Block-01, Abdul Hasan Isphani Scheme-33, Gulshan-e-Johar, Karachi.
Blue Plus	BWG-136	Karachi	11/02/2022	-	0.6 Liter	Masha Allah Nagori Milk Shop Malit Cantt No.6 Karachi	KISWAH Traders: Gadab Town.
NEO	BWG-137	Karachi	11/02/2022	-	0.6 Liter	Aamir general Store, Malir Cantt No.6 Karachi	Address: plot No.96, Malir Industrial Area Malir 15, Karachi. E-mail: neovattan@gmail.com
Blue Ice	BWG-138	Karachi	11/02/2022	-	0.6 Liter	General Store Shah Faisal Azeem Pura Main Bazar Karachi	Asghar & Sons 0313-3798495 0315-2164060 CM/L-2525
DOURO	BWG-139	Karachi	14/02/2022	-	0.6 Liter	M/S Traders General Store Liaqutabad Near Peeli Beet Oil Depo Karachi	A Product of DOURO Enterprises, Block-16, F.B Area Karachi.
YES	BWG-140	Karachi	14/02/2022	-	0.6 Liter	Super Kakari general Store main Safoora Chorangi Karachi	Mega Fine Industries, plot number, A-79 Industrial Area, Malir, Karachi
Raanar	BWG-141	Karachi	14/02/2022	-	0.6 Liter	Quetta Mubarak Hotel Main Safora Chorangi Karachi	Plot no. F-28, Sector 50/C, Korangi area, Karachi
RIVA	BWG-142	Karachi	14/02/2022	-	0.6 Liter	Collected from manufacturing point	Quality Product of DOW university Health Care: Ojha Campus, Main Suparco Road, KDA Scheme33, Karachi.
Sprinkle+	BWG-143	Karachi	14/02/2022	-	0.6 Liter	The Okhai Memon Pan Shop Chandni Chowk Near Faizan Masjid Karachi	A Quality Product of Al kabeer Enterprises: 0331-2381059 0313-2858321



Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address on Label
RA Water	BWG-144	Karachi	14/02/2022	-	0.6 Liter	Masha Allah Shop Askari Park Purani Sabzi Mandi Karachi.	Bottled By RA Water Pakistan
Sunlay	BWG-145	Karachi	11/02/2022	-	0.6 Liter	Anees Store Qasane Kashif Building Yousaf Ali Road, Ramsuami Old City Karachi	A Product Of HPE: Plot No 60 Sec 51, super highway Karachi.
Purest	BWG-146	Karachi	11/02/2022	-	0.6 Liter	Kama Milk Shop Shah Faisal Gulshan Main Bazar Karachi	Bottled by Purest Water
Eltsen	BWG-147	Karachi	14/02/2022	-	0.6 Liter	Bismillah Burger Shop Gulshan-e-Iqbal Block No.13 C Karachi	-
Pakola	BWG-148	Karachi	14/02/2022	07/2023	0.5 Liter	SubhanAllah general Store Gul Shan-e-Iqbal No.13 B Karachi	Mehran Bottler lmted, C-5/A, S.I.T.E Karachi, 75700
ALPHA	BWG-149	Karachi	14/02/2022	-	06 Liter	Madina Store Near Disco Bakery Gul Shan-e-Iqbal block No.6 Karachi	Qaiser enterprises, N block, B-261, N, Nazimabad
Vey	BWG-150	Karachi	14/02/2022	-	0.6 Liter	Ali Bakery Gul Shan-e-Iqbal Block 10 Karachi	A Product of Fluid Technology International Pvt Ltd.
Aqua King	BWG-151	Karachi	11/02/2022	06/2024	0.5 Liter	Cold Corner Site No.3 major Abdul Rehman Road, Usmanabad Near Hashmi Masjid Karachi	A Product of HPE: Plot no 60, Sec 51 Super highway Karachi.
Active One	BWG-152	Karachi	14/02/2022	-	0.5 Liter	Quality Shop Gulshan-e- Iqbal Block No.13 B Karachi	Active foods, D-13/A-9, S.I.T.E, Karachi
Safi	BWG-153	D.I.Khan	24/02/2022	02/2023	0.5 Liter	Collected from manufacturing point	Safi Grid Station Road, D.I.Khan
AQUASLIM	BWG-154	D.I.Khan	24/02/2022	01/2023	0.5 Liter	Collected from manufacturing point	Hamid Masood Qureshi Morr D.I.Khan
Aqua One	BWG-155	Lahore	04/02/2022	-	1.5 Liter	Collected from manufacturing point	30-A, Nawaz Town, Main Bouleword, Lahore 0311-4079959
Rahat Water	BWG-156	Lahore	04/02/2022	-	1.5 Liter	Collected from manufacturing point	Rahat Bakery, WAPDA Town, 0334-1789993
Erie Water	BWG-157	Lahore	04/02/2022	-	1.5 Liter	Collected from manufacturing point	99-C2, Punjab Society, 0303-6663594
Drinklay	BWG-158	Lahore	07/02/2022	-	1.5 Liter	Collected from manufacturing point	843-F, Jubli Town, 0300-4706286
Pure Flo	BWG-159	Lahore	07/02/2022	-	1.5 Liter	Collected from manufacturing point	193-Ali Center, Airline Society Khayabane-e-Jinnah, Lahore Salman Malik, 0323-4134969



Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address on Label
Spreva	BWG-160	Lahore	07/02/2022	-	1.5 Liter	Collected from manufacturing point	Shoukat Khanam Chowk, Opposite UCP, Lahore 0308-4684151
OOS Water	BWG-161	Lahore	08/02/2022	-	1.5 Liter	Collected from manufacturing point	Shanshah town, Main Raiwind road, Adda Plot, Lahore 0300-7860863
Glacial Water	BWG-162	Lahore	08/02/2022	-	6 Liter	Collected from manufacturing point	358-E, Johar Town, Lahore 0307-4752361
Aqua Amanzi	BWG-163	Lahore	08/02/2022	-	1.5 Liter	Collected from manufacturing point	803-G, Q-B Block, Modal Town Lahore, 0301-6231687
Trust Drinking Water	BWG-164	Lahore	08/02/2022	-	6 Liter	Collected from manufacturing point	Sami Ullah, 803-G, Q-B Block, Modal Town Lahore, 0301-6231687
Nestle Pure life	BWG-165	Lahore	11/02/2022	-	0.5 Liter	Mohsin Ali, Chaudhary Store, Revenue Society, Johar Town, Lahore, 0321-8827977	308-upper Mall, Lahore
Doce Water	BWG-166	Lahore	11/02/2022	-	1.5 Liter	Collected from manufacturing point	48-M, Quaid-e-Azam Industrial Estate, Kot Lakhpat, Lahore
Klinz	BWG-167	Lahore	11/02/2022	-	1.5 Liter	Collected from manufacturing point	Klinz, Plot #. 10/A, Punjab Small Industrial Estate,
Aasnai Sip	BWG-168	Lahore	11/02/2022	-	0.5 Liter	Abass, Chishti Afzali Super Store, Adda Lahore Park, Raiwind Road, Lahore 0304-8800970	7 km, Raiwind Raod, Shershah Colony, Bilal Town, Lahore
Sufi	BWG-169	Lahore	14/02/2022	-	1.5 Liter	Collected from manufacturing point	1-B Garden Block, Garden Town, Lahore
Marine Blue	BWG-170	Lahore	14/02/2022	-	0.5 Liter	Collected from manufacturing point	1.5 Km Defence Road, Kahna Nau, Lahore



WATER QUALITY PARAMETERS AND METHODS USED FOR ANALYSIS

Sr. #	PARAMETERS	ANALYTICAL METHOD
1.	Alkalinity (mg/l as CaCO ₃)	2320-B, Titration Method (APHA-23 rd edition)
2.	Arsenic (ppb)	AAS Vario 6, Analytik Jena AG
3.	Bicarbonate	2320-B, Titration Method (APHA-23 rd edition)
4.	Calcium (mg/l)	3500-Ca, EDTA Titrimetric method (APHA-23 rd edition)
5.	Carbonate (mg/l)	2320-B, Titration Method (APHA-23 rd edition)
6.	Chloride (mg/l)	4500-cl, Argentometric method (APHA-23 rd edition)
7.	Color (TCU)	Sensory Test
8.	Conductivity (μS/cm)	E.C meter, BANTE-890, 2510-B (APHA-23 rd edition)
9.	Hardness (mg/l)	2340-C, EDTA Titrimetric method (APHA-23 rd edition)
10.	Magnesium (mg/l)	3500-Mg (Calculation Method), APHA-23 rd edition
11.	Nitrate Nitrogen (mg/l)	Cd. Reduction (Hach-8171) by Spectrophotometer
12.	Odor	Sensory Test
13.	pH	pH Meter, Hanna Instrument, Model 8519, Italy
14.	Potassium (mg/l)	3500-K, (APHA-23 rd edition)
15.	Sodium (mg/l)	3500-Na, (APHA-23 rd edition)
16.	Sulfate (mg/l)	4500- SO ₄ ²⁻ , (APHA-23 rd edition)
17.	Phosphate (mg/l)	8190 and 8048 (Hach)
18.	Taste	Sensory Test
19.	TDS (mg/l)	E.C meter, BANTE-890, 2510-B (APHA-23 rd edition)
20.	Turbidity (NTU)	Turbidity Meter , 2510-B (APHA-23 rd edition)
21.	Fluoride (mg/l)	4500-F, SPADNS method
22.	Iron (mg/l)	FerroVer method (HACH Cat. 21057-69)
23.	Total Coliforms(MPN/100ml)	9221-B,C&D, Standard Methods (2017) APHA
24.	E. coli (MPN/100ml)	9221-B,C&D, Standard Methods (2017) APHA



WATER QUALITY PERMISSIBLE LIMITS FOR BOTTLED WATER

Sr. #	Parameter	Units	Permissible Limits		
			WHO	IBWA	PSQCA
1.	Alkalinity	(mg/l)	NGVS	NGVS	NGVS
2.	Bicarbonate	(mg/l)	NGVS	NGVS	NGVS
3.	Calcium	(mg/l)	NGVS	NGVS	100
4.	Carbonate	(mg/l)	NGVS	NGVS	NGVS
5.	Chloride	(mg/l)	250	250	250
6.	Color	(TCU)	15	NGVS	5
7.	Conductivity	(μ S/cm)	NGVS	NGVS	NGVS
8.	Fluoride	(mg/l)	1.5	3	0.7
9.	Hardness	(mg/l)	NGVS	NGVS	NGVS
10.	Iron	(mg/l)	0.3	0.3	0.3
11.	Magnesium	(mg/l)	NGVS	NGVS	50
12.	Odor	-	Odorless	NGVS	Unobjectionable
13.	Nitrate-N	(mg/l)	10	10	10
14.	pH	-	6.5-8.5	NGVS	6.5-8.5
15.	Potassium	(mg/l)	NGVS	NGVS	10
16.	Sodium	(mg/l)	200	NGVS	50
17.	Sulfate	(mg/l)	250	250	250
18.	Taste	-	Unobject.	NGVS	Unobjectionable
19.	TDS	(mg/l)	1000	500	500
20.	Turbidity	(NTU)	5	NGVS	0.5
21.	Phosphate	(mg/l)	NGVS	NGVS	NGVS
22.	Arsenic	ppb	10	10	10
23.	Total Coliforms	MPN/100ml	0	0	0
24.	E-Coli	MPN/100ml	0	0	0

WHO World Health Organization
IBWA International Bottled Water Association
PSQCA Pakistan Standards and Quality Control Authority



SUMMARY OF RESULTS OF PCRWR MONITORING

Contaminants of Potential Concerns Found in Bottled Water Brands

Sodium: Safe Limit : 50 parts per million (ppm)					
Sr. No	Brand Name	Code	City of Manufacturing	Unit	Results
1.	City Spring	BWG- 47	Vehari	ppm	74
2.	Aab-e-Noor	BWG- 90	Sukkur	ppm	74
3.	ATCO	BWG- 92	Karachi	ppm	66
4.	Doctor	BWG- 96	Sukkur	ppm	70
5.	VOLVO Water	BWG- 99	Quetta	ppm	72
6.	Evians Safe Life	BWG- 100	Kala Shah Kaku	ppm	72
7.	Ab-e- Haram	BWG- 132	Karachi	ppm	58
8.	Blue Plus	BWG-136	Karachi	ppm	86
9.	Blue Ice	BWG-138	Karachi	ppm	68
10.	ALPHA	BWG-149	Karachi	ppm	66

Potassium: Safe Limit : 10 parts per million (ppm)					
Sr. No	Brand Name	Code	City of Manufacturing/ collection	Unit	Results
1.	IMPERIAL	BWG-88	Sukkur	ppm	32
2.	More Plus	BWG-93	Sukkur	ppm	11

Arsenic: Safe Limit : 10 parts per billion (ppb)					
Sr. No	Brand Name	Code	City of Manufacturing	Unit	Results
1.	Nation Pure Water	BWG-77	Ferozwala	ppb	18

Bacteriological: (Total Coliforms , Fecal Coliforms &E Coli) (Safe Limit: 0/100ml)					
Sr. No	Brand Name	Code	City of Manufacturing	Results	
				Total Coliforms (MPN/100ml)	E. Coli (MPN/100ml)
1.	Hi-Fresh	BWG-43	Sargodha	08	Nil
2.	Supreme Natural	BWG-70	Faisalabad	06	Nil
3.	DYLAN Natural	BWG-75	Faisalabad	10	Nil
4.	Lasani	BWG-104	Bahawalpur	08	Nil
5.	Blue Ice	BWG-138	Karachi	04	Nil



PCRWR TESTING: SAFE BRANDS

Sr. No	Brand Name	Code	Quality (Safe/Unsafe)	
			Chemical	Microbiological
1.	Ora Pure	BWG-01	Safe	Safe
2.	OPAL+	BWG-02	Safe	Safe
3.	Dew Drop	BWG-03	Safe	Safe
4.	Premium Spring	BWG-04	Safe	Safe
5.	Elim	BWG-05	Safe	Safe
6.	Aqua Emporium	BWG -06	Safe	Safe
7.	MARWA Water	BWG-07	Safe	Safe
8.	SOLONEY	BWG-08	Safe	Safe
9.	Pure Sip	BWG-09	Safe	Safe
10.	Shaafi	BWG-10	Safe	Safe
11.	Ripple Water	BWG-11	Safe	Safe
12.	Water Empire	BWG-12	Safe	Safe
13.	Pacific Pure	BWG-13	Safe	Safe
14.	Al-MENA	BWG-14	Safe	Safe
15.	Nectar	BWG-15	Safe	Safe
16.	Aqua Green	BWG-16	Safe	Safe
17.	Safa Plus	BWG-17	Safe	Safe
18.	Fresh Life	BWG-18	Safe	Safe
19.	Nestol	BWG-19	Safe	Safe
20.	EDGE	BWG-20	Safe	Safe
21.	Calci Dew	BWG-21	Safe	Safe
22.	Maple Plus	BWG-22	Safe	Safe
23.	Elovina	BWG-23	Safe	Safe
24.	Drink It	BWG-24	Safe	Safe
25.	TWS	BWG-25	Safe	Safe
26.	Aqua Stream	BWG-26	Safe	Safe
27.	Hydra	BWG-27	Safe	Safe
28.	H2O Unique	BWG-28	Safe	Safe
29.	SEAROSE	BWG-29	Safe	Safe
30.	New Natural	BWG-30	Safe	Safe
31.	Springta	BWG-31	Safe	Safe
32.	Murree Sparkletts	BWG-32	Safe	Safe
33.	Happy Life Vital	BWG-33	Safe	Safe
34.	Freshley	BWG-34	Safe	Safe
35.	Freshin	BWG-35	Safe	Safe
36.	Clear	BWG-36	Safe	Safe
37.	Vividle	BWG-37	Safe	Safe
38.	SUJO	BWG-38	Safe	Safe
39.	Seven Springs	BWG-39	Safe	Safe
40.	Himalaya	BWG-40	Safe	Safe
41.	Oxford Pure Water	BWG-41	Safe	Safe
42.	Arwafina	BWG-42	Safe	Safe
43.	Ness Pak	BWG-44	Safe	Safe
44.	Natural Water Pack	BWG-45	Safe	Safe
45.	FAIHA Aqua	BWG-46	Safe	Safe
46.	Alpine Pure	BWG-48	Safe	Safe
47.	Rare Dew Drop	BWG-49	Safe	Safe
48.	Life	BWG-50	Safe	Safe
49.	OASIS Plus	BWG-51	Safe	Safe
50.	Natural LAPANI	BWG-52	Safe	Safe
51.	Bake Master	BWG-53	Safe	Safe



Sr. No	Brand Name	Code	Quality (Safe/Unsafe)	
			Chemical	Microbiological
52.	Masafi	BWG-54	Safe	Safe
53.	Dazzling Water	BWG-55	Safe	Safe
54.	Zam Zam	BWG-56	Safe	Safe
55.	K&S Aqua Sea	BWG-57	Safe	Safe
56.	Marine Global	BWG-58	Safe	Safe
57.	Isberg	BWG-59	Safe	Safe
58.	DJOUR	BWG-60	Safe	Safe
59.	Aab'e Dubai	BWG-61	Safe	Safe
60.	ZALMI	BWG-62	Safe	Safe
61.	Gourmet	BWG-63	Safe	Safe
62.	MARVI	BWG-64	Safe	Safe
63.	PURE Next	BWG-65	Safe	Safe
64.	JEL	BWG-66	Safe	Safe
65.	MEHRAN	BWG-67	Safe	Safe
66.	Pak Aqua	BWG-68	Safe	Safe
67.	Excellent Natural	BWG-69	Safe	Safe
68.	Blu Water	BWG-71	Safe	Safe
69.	ARA Water	BWG-72	Safe	Safe
70.	Ziran	BWG-73	Safe	Safe
71.	Aqua Life	BWG-74	Safe	Safe
72.	Best Natural	BWG-76	Safe	Safe
73.	Pure Nature	BWG-78	Safe	Safe
74.	IMMA	BWG-79	Safe	Safe
75.	Soft Water Aab-e-Kashmir	BWG-80	Safe	Safe
76.	SMAK	BWG-81	Safe	Safe
77.	Aqua Best	BWG-82	Safe	Safe
78.	Dasani	BWG-83	Safe	Safe
79.	Aquafina	BWG-84	Safe	Safe
80.	MUSKAN	BWG-85	Safe	Safe
81.	K.K Pure Drinking Water	BWG-86	Safe	Safe
82.	INDUS	BWG-87	Safe	Safe
83.	Pure Life	BWG-89	Safe	Safe
84.	MEZAN	BWG-91	Safe	Safe
85.	Aab-e-Gul	BWG-94	Safe	Safe
86.	Salsabeel	BWG-95	Safe	Safe
87.	Chiltan Aqua	BWG-97	Safe	Safe
88.	BOLANIA	BWG-98	Safe	Safe
89.	Aqua Hygienic	BWG-101	Safe	Safe
90.	NEXUS	BWG-102	Safe	Safe
91.	Pine'o	BWG-103	Safe	Safe
92.	Elayn Plus	BWG-105	Safe	Safe
93.	FUSION	BWG-106	Safe	Safe
94.	Aqua Refine	BWG-107	Safe	Safe
95.	Nero	BWG-108	Safe	Safe
96.	KaraKorum Flow	BWG-109	Safe	Safe
97.	H ₂ OPE	BWG-110	Safe	Safe
98.	Aqua Royal	BWG-111	Safe	Safe
99.	Jami Water	BWG-112	Safe	Safe
100.	Al-Shalal	BWG-113	Safe	Safe
101.	Ripples	BWG-114	Safe	Safe
102.	OSLO	BWG-115	Safe	Safe
103.	Pak Crystal	BWG-116	Safe	Safe
104.	Aqua Splash	BWG-117	Safe	Safe
105.	Aquamin Plus	BWG-118	Safe	Safe



Sr. No	Brand Name	Code	Quality (Safe/Unsafe)	
			Chemical	Microbiological
106.	Wah Water	BWG-119	Safe	Safe
107.	Nebraska	BWG-120	Safe	Safe
108.	Aqua Pura Smart	BWG-121	Safe	Safe
109.	Sabil	BWG-122	Safe	Safe
110.	Aqua Drink	BWG-123	Safe	Safe
111.	Ab-e-Khyber	BWG-124	Safe	Safe
112.	Natural Aqwah Water	BWG-125	Safe	Safe
113.	Aquatic Fresh	BWG-126	Safe	Safe
114.	Moya Mineral	BWG-127	Safe	Safe
115.	Top Up	BWG-128	Safe	Safe
116.	Alfa	BWG-129	Safe	Safe
117.	Aqua Health	BWG-130	Safe	Safe
118.	Water Plus	BWG-131	Safe	Safe
119.	Culligan	BWG-133	Safe	Safe
120.	Aqua SHARAV	BWG-134	Safe	Safe
121.	UF Pure EDGE	BWG-135	Safe	Safe
122.	NEO	BWG-137	Safe	Safe
123.	DOURO	BWG-139	Safe	Safe
124.	YES	BWG-140	Safe	Safe
125.	Raanar	BWG-141	Safe	Safe
126.	RIVA	BWG-142	Safe	Safe
127.	Sprinkle+	BWG-143	Safe	Safe
128.	RA Water	BWG-144	Safe	Safe
129.	Sunlay	BWG-145	Safe	Safe
130.	Purest	BWG-146	Safe	Safe
131.	Eltsen	BWG-147	Safe	Safe
132.	Pakola	BWG-148	Safe	Safe
133.	Vey	BWG-150	Safe	Safe
134.	Aqua King	BWG-151	Safe	Safe
135.	Active One	BWG-152	Safe	Safe
136.	Safi	BWG-153	Safe	Safe
137.	AQUASLIM	BWG-154	Safe	Safe
138.	Aqua One	BWG-155	Safe	Safe
139.	Rahat Water	BWG-156	Safe	Safe
140.	Erie Water	BWG-157	Safe	Safe
141.	Drinklay	BWG-158	Safe	Safe
142.	Pure Flo	BWG-159	Safe	Safe
143.	Spreva	BWG-160	Safe	Safe
144.	OOS Water	BWG-161	Safe	Safe
145.	Glacial Water	BWG-162	Safe	Safe
146.	Aqua Amanzi	BWG-163	Safe	Safe
147.	Trust Drinking Water	BWG-164	Safe	Safe
148.	Nestle Pure life	BWG-165	Safe	Safe
149.	Doce Water	BWG-166	Safe	Safe
150.	Klinz	BWG-167	Safe	Safe
151.	Aasnai Sip	BWG-168	Safe	Safe
152.	Sufi	BWG-169	Safe	Safe
153.	Marine Blue	BWG-170	Safe	Safe



PCRWR TESTING: UNSAFE BRANDS

Sr. No	Brand Name	Code	Address/Manufacturer	Quality (Safe/Unsafe)	
				Chemical	Microbiological
1.	City Spring	BWG- 47	City Industries: Danewal Town, Lahore, Road Vehari.	Unsafe	Safe
2.	Aab-e-Noor	BWG- 90	A Product by: Gul Baba Plastic Recycling Co. Plot No.113,S.S.I.C Suite All Wahan Rohri Distt Sukkur	Unsafe	Safe
3.	ATCO	BWG- 92	A.K INterprises Shara-e-Faisal Karachi www.atcowater.com.pk	Unsafe	Safe
4.	Doctor	BWG- 96	Collected from Sadique Medical Store, Birag Road, Teer Chowk, Sukkur	Unsafe	Safe
5.	VOLVO Water	BWG- 99	M/s Al Syed Industries Pvt Ltd. Quetta Alsyed.ind@gmail.com	Unsafe	Safe
6.	Evians Safe Life	BWG- 100	MGI (Manj Group of Industries) Main GT Road Near Kalashah KakuToll Plaza	Unsafe	Safe
7.	Ab-e-Haram	BWG- 132	Sector 13-E,New Saeedabad, Baldia Town Karachi.	Unsafe	Safe
8.	Blue Plus	BWG-136	KISWAH Traders: Gadab Town, Karachi.	Unsafe	Safe
9.	Blue Ice	BWG-138	Asgar & Sons, Karachi 0313-3798495 0315-2164060 CM/L-2525	Unsafe	Unsafe
10.	ALPHA	BWG-149	Qaiser enterprises, N block, B-261, N, Nazimabad, Karachi	Unsafe	Safe
11.	IMPERIAL	BWG- 88	Imperial Foods International: Plot No.347,Adjacent Engro Foods Rohri Sukkur	Unsafe	Safe
12.	More Plus	BWG-93	Soft Drinking Water, Sukkur	Unsafe	Safe
13.	Nation Pure Water	BWG-77	Rameez Enterprises: 9 km G.T Road, Rachna Town, Ferozwala.	Unsafe	Safe
14.	Hi-Fresh	BWG-43	Product of NBFO Pakistan: MadinaFarms,84-N.B. Sargodha www.hi-freshwater.com	Safe	Unsafe
15.	Supreme Natural	BWG-70	Railway Gate No.1,Greebabad,Faisalabad.	Safe	Unsafe
16.	DYLAN Natural	BWG-75	Dylan Natural Water: Main Satyana Road, Near ZamZam Marriage Hall, Faisalabad.	Safe	Unsafe
17.	Lasani	BWG-104	Near Satowali high school Basit Jam Opp. Shah Poultry Farm Bahawalpur.	Safe	Unsafe



MARKET CONSISTENCY IN TWO NEIGHBORING QUARTERS

Sr. No	Consistent Brands	New Brands	Unavailable Brands
1.	Ora pure	Dew Drop	Fresh One
2.	OPAL	Elim	Taiba
3.	Premium Spring	Nectar	Pak Nest
4.	Marwa water	Pure Sip	Knals
5.	SOLONEY	Shaafi	DAMMAN
6.	Ripple Water	Aqua Emporium	Natural Water
7.	Water Empire	Safa Plus	Ness Pak
8.	Pacific pure	Drink It	Secure Life
9.	Al-MENA	Hydra	Aqua Show
10.	Aqua Green	Aasnai Sip	Himalaya Cool
11.	Fresh Life	Ness Pak	New Taste
12.	Nestol	Natural Water Pack	Al-Zaid
13.	EDGE	City Spring	Shukran
14.	Calci dew	Natural LAPANI	Aab-e-Lumhs
15.	Maple plus	Zam Zam	Dhoom
16.	Elovina	Marine Global	Alkaline
17.	TWS	DJOUR	MAA JEE
18.	Aqua stream	ZALMI	Stream
19.	H2O Unique	MARVI	Aqua Dore
20.	SEAROSE	Excellent Natural	Oxy
21.	New Natural	Supreme Natural	Aqua Smile
22.	Murree Sparkletts	Blu Water	My Smart Water
23.	Happy Vital Life	ARA Water	Life Care
24.	Freshley	Ziran	Al-Haram
25.	Freshin	Aqua Life	Al-Karam
26.	Clear	Best Natural	DYLAN
27.	Vividle	Soft Water Aab-e-Kashmir	NFS
28.	SUJO	SMAK	Water Valley
29.	Seven springs	MUSKAN	CHENAB
30.	Himalaya	R.K Pure Drinking Water	Natural
31.	Oxford pure water	IMPERIAL	National
32.	Arwafina	Pure Life	Victoria
33.	Hi-Fresh	Aab-e-Noor	C-Life
34.	FAIHA Aqua	MEZAN	Aqua Soft
35.	Alpine Pure	ATCO	Murree Sparkletts
36.	Rare Dew Drop	Aab-e-Gul	Pani by PFB
37.	Life	Salsabeel	Rocke Water
38.	Oasis plus	Doctor	Honey
39.	Bake master	Chiltan Aqua	Purific
40.	Masafi	BOLANIA	Alfalah
41.	Dazzling water	VOLVO Water	Urban Sip
42.	K&S Aqua Sea	Evians Safe Life	Needs Pure Life
43.	Isberg	Aqua Hygienic	Britx Natural Water
44.	Aab-e-Dubai	Lasani	Hidrade
45.	Gourmet	FUSION	OYSTER Crystal Maya
46.	Pure Next	Nero	GEO Life
47.	JEL	H ₂ OPE	Nafees
48.	MEHRAN	Aqua Royal	VIVAL
49.	Pak Aqua	Aquamin Plus	AM2PM
50.	DYLAN Natural	Sabil	Asha
51.	Nation pure water	Ab-e-Khyber	Former
52.	Pure Nature	Moya Mineral	IRHHA Drinking Water



Sr. No	Consistent Brands	New Brands	Unavailable Brands
53.	IMMA	Alfa	Deosai
54.	Aqua Best	Blue Ice	K&S
55.	Dasani	Raanar	Springley
56.	Aqua fina	Sprinkle+	Venora
57.	INDUS	RA Water	MINAH
58.	More plus	Purest	Sip Up
59.	NEXUS	Eltsen	New Buxton
60.	Pine'o	Pakola	Iceland
61.	Elayn plus	ALPHA	Pure
62.	Aqua Refine	Vey	Oxidano
63.	KaraKorum Flow	Active One	New AS
64.	Jami Water	Aqua One	Wateria
65.	Al-Shalal	Rahat Water	Noble
66.	Ripples	OOS Water	Aab-e-Hayat
67.	OSLO		Aab-e-Sehat
68.	Aqua splash		Defence
69.	Wah water		Seven Stream
70.	Nebraska		
71.	Aqua Pura smart		
72.	Aqua drink		
73.	Natural Aqwah water		
74.	Aquatic fresh		
75.	Top up		
76.	Aqua Health		
77.	Water plus		
78.	Aab-e-Haram		
79.	Culligan		
80.	Aqua SHARAV		
81.	UF pure EDGE		
82.	Blue plus		
83.	NEO		
84.	DOURO		
85.	YES		
86.	RIVA		
87.	Sunlay		
88.	Vey		
89.	Aqua king		
90.	Safi		
91.	Aqua one		
92.	Erie Water		
93.	Drinklay		
94.	Pure Flo		
95.	Spreva		
96.	Glacial Water		
97.	Aqua Amanzi		
98.	Trust Drinking Water		
99.	Nestle Pure Life		
100.	Doce Water		
101.	Klinz		
102.	Sufi		
103.	Marine Blue		
104.	Springta		



HEALTH EFFECTS OF UNSAFE BOTTLED WATER BRANDS

Sr. No	Contaminant	Diseases Impacts
1.	Bacteriological Contamination	Cholera, Diarrhea, Dysentery, Hepatitis, Typhoid and Gastroenteritis
2.	Sodium	Hypertension, Kidney problem
3.	Potassium	Hyper kalmia
4.	Arsenic	Keratosi, Hyperkeratosis and Cancer of Skins, Bladder Lung

CONCLUSIONS

Sr. No	Item	Conclusion	
		No.	% age
1.	Total No. of Brands Collected	170	-
2.	Overall Safe Brands	153	90
3.	No. of Overall Unsafe Brands	17	10
4.	No. of Chemically Safe Brands	157	92
5.	No. of Chemically Unsafe Brands	13	08
6.	No. of Microbiologically Safe Brands	165	97
7.	No. of Microbiologically Unsafe Brands	05	03
8.	No. of Consistent Brands in Market	104	61
9.	No. of Brands Disappeared/Unavailable	69	41
10.	No. of New Brands	66	39

Detailed water quality status of each bottled water brand is available at **Annexure-1**

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Annexure-1

Chemical and Microbiological Quality of Bottled/Mineral Water Brands

Brand Name	Brand Code	Turbidity	pH	EC	TDS	Ca	Mg	Hard	HCO ₃	Cl	Na	F	Fe	K	NO ₃	SO ₄	As	Microbiological Contaminants	
PSQCA Bottled Water Standards	-	0.5	6.5 - 8.5	NGVS	500	100	50	NGVS	NGVS	250	50	0.7	0.3	10	10	250	10	Total Coli forms 0/100ml	E-Coli 0/100ml
Detection Limits	-	0.2	0.02	0.287	-	2	1	5	5	2	1	0.03	0.03	0.2	0.06	0.4	0.1	-	-
Units	-	NTU		µS/cm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	MPN /100ml	MPN /100ml
Ora Pure	BWG-01	BDL	6.61	385	202	40	12	150	75	72	20	0.22	BDL	1.0	0.71	19	BDL	Negative	Negative
OPAL+	BWG-02	BDL	6.96	365	201	40	10	140	90	60	20	BDL	BDL	1.9	0.61	6	BDL	Negative	Negative
Dew Drop	BWG-03	BDL	7.51	582	320	60	24	250	180	40	17	0.03	BDL	1.3	4.21	38	BDL	Negative	Negative
Premium Spring	BWG-04	BDL	7.06	342	188	50	6	150	150	12	10	0.33	BDL	1.1	2.27	BDL	BDL	Negative	Negative
Elim	BWG-05	BDL	6.84	292	161	40	5	120	150	25	10	0.26	BDL	1.8	1.46	13	BDL	Negative	Negative
Aqua Emporium	BWG-06	BDL	6.85	359	197	40	12	150	75	65	17	0.23	BDL	1.1	0.90	16	BDL	Negative	Negative
MARWA Water	BWG-07	BDL	6.94	370	204	20	17	120	80	60	35	0.28	BDL	1.1	0.53	28	BDL	Negative	Negative
SOLONEY	BWG-08	BDL	7.13	412	227	40	19	180	110	60	16	0.29	BDL	1.5	0.72	21	BDL	Negative	Negative
Pure Sip	BWG-09	BDL	6.65	348	191	40	7	130	60	60	23	0.32	BDL	1.1	BDL	25	BDL	Negative	Negative
Shaafi	BWG-10	BDL	6.85	375	206	40	13	155	60	72	16	0.03	BDL	0.3	BDL	18	BDL	Negative	Negative
Ripple Water	BWG-11	BDL	6.83	345	190	40	10	140	150	65	14	0.30	BDL	1.3	0.97	26	BDL	Negative	Negative
Water Empire	BWG-12	BDL	7.13	367	202	40	7	130	110	30	29	0.44	BDL	1.5	1.79	22	BDL	Negative	Negative
Pacific Pure	BWG-13	BDL	6.93	413	227	40	22	190	120	60	16	0.25	BDL	1.5	0.73	21	BDL	Negative	Negative
Al-MENA	BWG-14	BDL	6.89	380	209	40	15	160	60	72	15	BDL	BDL	0.3	0.24	27	BDL	Negative	Negative
Nectar	BWG-15	BDL	6.94	326	179	36	7	120	50	55	19	0.69	BDL	1.2	0.55	27	BDL	Negative	Negative
Aqua Green	BWG-16	BDL	6.92	352	194	30	9	110	60	55	27	0.37	BDL	1.1	1.02	31	BDL	Negative	Negative
Safa Plus	BWG-17	BDL	6.72	390	215	40	7	130	80	60	28	0.17	BDL	1.1	1.26	25	BDL	Negative	Negative
Fresh Life	BWG-18	BDL	7.11	455	250	40	19	180	140	38	20	0.63	BDL	2.5	2.21	26	BDL	Negative	Negative
Nestol	BWG-19	BDL	6.85	292	161	36	7	120	90	28	11	0.57	BDL	1.7	1.53	12	BDL	Negative	Negative
EDGE	BWG-20	BDL	6.90	251	138	30	6	100	70	28	11	0.43	BDL	2	1.14	12	BDL	Negative	Negative
Calci Dew	BWG-21	BDL	6.90	252	139	30	6	100	70	28	11	0.23	BDL	1.9	1.15	13	BDL	Negative	Negative
Maple Plus	BWG-22	BDL	6.88	348	191	40	5	120	60	58	22	0.27	BDL	1.1	1.13	26	BDL	Negative	Negative
Elovina	BWG-23	BDL	6.92	365	201	40	7	130	100	30	20	0.30	BDL	2.0	0.79	34	BDL	Negative	Negative
Drink It	BWG-24	BDL	7.03	365	201	40	5	120	110	30	27	0.05	BDL	1.5	1.94	23	BDL	Negative	Negative
TWS	BWG-25	BDL	7.05	409	225	52	10	170	140	30	16	0.32	BDL	1.5	0.87	19	BDL	Negative	Negative

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Brand Name	Brand Code	Turbidity	pH	EC	TDS	Ca	Mg	Hard	HCO ₃	Cl	Na	F	Fe	K	NO ₃	SO ₄	As	Microbiological Contaminants	
PSQCA Bottled Water Standards	-	0.5	6.5 - 8.5	NGVS	500	100	50	NGVS	NGVS	250	50	0.7	0.3	10	10	250	10	Total Coli forms 0/100ml	E-Coli 0/100ml
Detection Limits	-	0.2	0.02	0.287	-	2	1	5	5	2	1	0.03	0.03	0.2	0.06	0.4	0.1	-	-
Aqua Stream	BWG-26	BDL	7.10	450	248	48	15	180	150	28	19	0.40	BDL	2.4	2.36	27	BDL	Negative	Negative
Hydra	BWG-27	BDL	6.93	365	201	44	8	140	100	30	20	0.34	BDL	1.9	0.79	34	BDL	Negative	Negative
H2O Unique	BWG-28	BDL	7.18	367	202	36	7	120	100	36	27	0.27	BDL	1.5	1.93	24	BDL	Negative	Negative
SEAROSE	BWG-29	BDL	7.40	404	222	40	7	130	100	30	30	0.39	BDL	2.5	0.07	57	1.2	Negative	Negative
New Natural	BWG-30	BDL	6.52	93	5	16	1	18	20	12	15	0.21	BDL	2.6	0.82	10	3	Negative	Negative
Springta	BWG-31	BDL	7.20	255	140	28	7	100	50	40	11	0.23	BDL	2.7	0.27	18	0.3	Negative	Negative
Murree Sparkletts	BWG-32	BDL	7.40	382	210	40	10	140	80	62	22	0.27	BDL	1.9	2.39	15	BDL	Negative	Negative
Happy Life Vital	BWG-33	BDL	7.11	361	199	20	6	75	65	50	48	0.23	BDL	1.4	BDL	43	0.2	Negative	Negative
Freshley	BWG-34	BDL	6.89	335	184	40	7	130	70	54	18	0.17	BDL	1.2	0.13	19	1	Negative	Negative
Freshin	BWG-35	BDL	7.13	369	203	40	11	145	80	60	17	0.15	BDL	1.1	BDL	18	2.1	Negative	Negative
Clear	BWG-36	BDL	6.87	355	195	40	10	140	70	54	16	BDL	BDL	1.1	BDL	31	0.9	Negative	Negative
Vividle	BWG-37	BDL	7.07	333	183	40	4	115	70	56	22	0.21	BDL	1.4	0.04	17	BDL	Negative	Negative
SUJO	BWG-38	BDL	7.17	344	189	40	5	120	60	64	22	0.21	BDL	1.4	BDL	20	BDL	Negative	Negative
Seven Springs	BWG-39	BDL	7.24	213	117	20	9	85	45	12	7	0.26	BDL	4.8	0.42	41	BDL	Negative	Negative
Himalaya	BWG-40	BDL	7.02	436	240	40	18	175	90	68	20	0.18	BDL	1.2	BDL	31	BDL	Negative	Negative
Oxford Pure Water	BWG-41	BDL	7.07	403	222	30	4	90	80	58	48	0.35	BDL	1.7	0.50	35	0.3	Negative	Negative
Arwafina	BWG-42	BDL	6.65	378	208	30	11	120	50	84	31	0.25	BDL	1.0	BDL	19	0.4	Negative	Negative
Hi-Fresh	BWG-43	BDL	6.77	220	121	20	4	65	60	20	19	BDL	BDL	1.0	0.34	19	0.2	08	Negative
Ness Pak	BWG-44	BDL	7.03	279	153	20	7	80	70	40	26	BDL	BDL	2.7	0.57	10	0.2	Negative	Negative
Natural Water Pack	BWG-45	BDL	7.32	350	193	40	12	150	140	12	11	BDL	BDL	2.6	0.11	17	1	Negative	Negative
FAIHA Aqua	BWG-46	BDL	7.16	342	188	40	7	130	60	58	18	BDL	BDL	1.3	BDL	27.6	0.8	Negative	Negative
City Spring	BWG-47	BDL	7.10	409	225	12	2	40	80	62	74	0.07	BDL	2.4	BDL	35	0.2	Negative	Negative
Alpine Pure	BWG-48	BDL	6.75	283	156	40	5	120	50	40	9	BDL	BDL	1.2	BDL	34	0.3	Negative	Negative
Rare Dew Drop	BWG-49	BDL	7.12	374	206	40	10	140	60	72	20	0.37	BDL	1.3	BDL	25	BDL	Negative	Negative
Life	BWG-50	BDL	6.84	379	208	40	8	132	80	64	25	BDL	BDL	1.1	BDL	18	BDL	Negative	Negative
OASIS Plus	BWG-51	BDL	7.37	597	320	80	2	210	240	40	36	BDL	BDL	4.7	0.25	BDL	0.2	Negative	Negative
Natural LAPANI	BWG-52	BDL	7.44	328	180	46	12	150	80	38	5	0.21	BDL	2.4	BDL	30	0.3	Negative	Negative

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Brand Name	Brand Code	Turbidity	pH	EC	TDS	Ca	Mg	Hard	HCO ₃	Cl	Na	F	Fe	K	NO ₃	SO ₄	As	Microbiological Contaminants	
PSQCA Bottled Water Standards	-	0.5	6.5 - 8.5	NGVS	500	100	50	NGVS	NGVS	250	50	0.7	0.3	10	10	250	10	Total Coli forms 0/100ml	E-Coli 0/100ml
Detection Limits	-	0.2	0.02	0.287	-	2	1	5	5	2	1	0.03	0.03	0.2	0.06	0.4	0.1	-	-
Bake Master	BWG-53	BDL	7.23	277	152	34	4	100	80	26	16	0.52	BDL	1.7	BDL	22	0.4	Negative	Negative
Masafi	BWG-54	BDL	7.26	444	244	48	19	200	120	64	12	BDL	BDL	1.1	2.25	18	0.8	Negative	Negative
Dazzling Water	BWG-55	BDL	6.70	518	285	50	11	170	140	70	40	BDL	BDL	1.4	2.25	19	0.3	Negative	Negative
Zam Zam	BWG-56	BDL	6.90	323	178	41	5	120	70	48	20	0.10	BDL	1.1	2.25	24	0.2	Negative	Negative
K&S Aqua Sea	BWG-57	BDL	6.89	248	136	20	8	82	60	30	18	BDL	BDL	1.1	2.25	21	0.8	Negative	Negative
Marine Global	BWG-58	BDL	6.52	341	188	40	7	130	70	54	17	BDL	BDL	1.4	BDL	23	0.6	Negative	Negative
Isberg	BWG-59	BDL	7.11	382	210	40	5	120	110	58	33	BDL	BDL	2.2	BDL	BDL	0.3	Negative	Negative
DJOUR	BWG-60	BDL	6.82	429	236	46	13	170	80	70	19	BDL	BDL	1.1	BDL	31	0.2	Negative	Negative
Aab'e Dubai	BWG-61	BDL	6.81	224	134	24	5	80	48	36	20	BDL	BDL	1.1	0.67	16	0.7	Negative	Negative
ZALMI	BWG-62	BDL	6.61	238	131	34	2	70	40	36	25	BDL	BDL	1.1	BDL	18	BDL	Negative	Negative
Gourmet	BWG-63	BDL	7.18	414	228	40	12	150	90	80	28	0.10	BDL	1.1	BDL	18	BDL	Negative	Negative
MARVI	BWG-64	BDL	6.67	240	132	28	5	90	50	28	24	0.21	BDL	1.1	BDL	22	BDL	Negative	Negative
PURE Next	BWG-65	BDL	7.23	393	216	40	7	130	100	60	27	0.11	BDL	BDL	BDL	37.5	BDL	Negative	Negative
JEL	BWG-66	BDL	6.60	223	123	28	2	80	40	40	15	BDL	BDL	BDL	0.62	15	BDL	Negative	Negative
MEHRAN	BWG-67	BDL	6.65	264	145	24	10	100	40	36	21	BDL	BDL	0.2	BDL	22	0.4	Negative	Negative
Pak Aqua	BWG-68	BDL	6.50	350	193	32	7	110	65	60	26	0.44	BDL	0.5	0.64	18.5	0.9	Negative	Negative
Excellent Natural	BWG-69	BDL	6.75	394	217	28	5	90	40	82	48	BDL	BDL	1.8	0.90	30	0.7	Negative	Negative
Supreme Natural	BWG-70	BDL	7.25	532	293	44	22	200	120	45	34	0.18	BDL	4.1	0.69	53	0.5	06	Negative
Blu Water	BWG-71	BDL	7.10	340	187	40	7	130	65	52	18	BDL	BDL	0.4	BDL	22.5	0.2	Negative	Negative
ARA Water	BWG-72	BDL	7.43	405	223	44	17	180	80	75	15	BDL	BDL	0.2	BDL	22	0.7	Negative	Negative
Ziran	BWG-73	BDL	7.25	333	183	40	9	100	50	25	33	BDL	BDL	0.9	BDL	22	0.3	Negative	Negative
Aqua Life	BWG-74	BDL	6.70	305	168	40	2	110	50	82	14	BDL	BDL	0.2	0.29	BDL	0.4	Negative	Negative
DYLAN Natural	BWG-75	BDL	6.81	331	182	30	4	90	65	50	35	0.11	BDL	1.4	0.78	20	1	10	Negative
Best Natural	BWG-76	BDL	7.28	633	348	40	15	160	220	43	46	0.19	BDL	3.0	BDL	40	2.1	Negative	Negative
Nation Pure Water	BWG-77	BDL	7.19	321	177	20	12	100	100	35	35	BDL	BDL	0.5	BDL	15	18	Negative	Negative
Pure Nature	BWG-78	BDL	7.24	379	205	40	5	120	90	52	29	BDL	BDL	0.2	BDL	16.5	2.3	Negative	Negative
IMMA	BWG-79	BDL	6.61	325	179	44	17	180	50	60	BDL	BDL	BDL	0.5	BDL	23	BDL	Negative	Negative
Soft Water Aab-e-Kashmir	BWG-80	BDL	6.99	438	241	40	22	190	120	70	17	BDL	BDL	0.8	BDL	25	BDL	Negative	Negative

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Brand Name	Brand Code	Turbidity	pH	EC	TDS	Ca	Mg	Hard	HCO ₃	Cl	Na	F	Fe	K	NO ₃	SO ₄	As	Microbiological Contaminants	
PSQCA Bottled Water Standards	-	0.5	6.5 - 8.5	NGVS	500	100	50	NGVS	NGVS	250	50	0.7	0.3	10	10	250	10	Total Coli forms 0/100ml	E-Coli 0/100ml
Detection Limits	-	0.2	0.02	0.287	-	2	1	5	5	2	1	0.03	0.03	0.2	0.06	0.4	0.1	-	-
SMAK	BWG-81	BDL	7.04	120	66	10	4	40	30	94	10	BDL	BDL	0.6	BDL	BDL	BDL	Negative	Negative
Aqua Best	BWG-82	BDL	6.52	369	203	40	27	140	80	82	8	BDL	BDL	1.1	0.82	18	BDL	Negative	Negative
Dasani	BWG-83	BDL	7.03	251	138	28	02	110	60	20	7	BDL	BDL	0.8	0.82	24	BDL	Negative	Negative
Aquafina	BWG-84	BDL	6.91	227	125	16	07	65	50	24	20	BDL	BDL	1.6	0.82	24	BDL	Negative	Negative
MUSKAN	BWG-85	BDL	6.93	406	223	30	21	160	60	72	24	BDL	BDL	2.0	0.47	34	BDL	Negative	Negative
R.K Pure Drinking Water	BWG-86	BDL	6.81	345	190	32	7	110	50	65	23	BDL	BDL	6.7	BDL	20	BDL	Negative	Negative
INDUS	BWG-87	BDL	6.74	284	162	24	10	100	70	55	20	BDL	BDL	1.0	0.66	BDL	BDL	Negative	Negative
IMPERIAL	BWG-88	BDL	6.60	442	243	40	19	180	70	96	17	BDL	BDL	32	BDL	20	BDL	Negative	Negative
Pure Life	BWG-89	BDL	6.82	419	230	32	5	100	80	70	48	BDL	BDL	3.9	0.60	27	BDL	Negative	Negative
Aab-e-Noor	BWG-90	BDL	7.12	472	260	16	5	60	50	110	74	BDL	BDL	1.6	BDL	32	BDL	Negative	Negative
MEZAN	BWG-91	BDL	7.12	413	227	36	5	110	90	70	41	BDL	BDL	4.4	BDL	23	BDL	Negative	Negative
ATCO	BWG-92	BDL	7.37	747	411	44	27	220	210	98	66	BDL	BDL	6.5	2.53	13	BDL	Negative	Negative
More Plus	BWG-93	BDL	6.75	318	175	32	5	100	80	60	23	BDL	BDL	11	0.93	42	BDL	Negative	Negative
Aab-e-Gul	BWG-94	BDL	7.15	279	153	28	7	100	50	30	15	BDL	BDL	1.1	BDL	29	BDL	Negative	Negative
Salsabeel	BWG-95	BDL	7.21	278	153	24	7	90	60	30	21	BDL	BDL	2.1	BDL	27	BDL	Negative	Negative
Doctor	BWG-96	BDL	6.64	452	249	24	4	75	90	80	70	0.45	BDL	2.3	BDL	12	BDL	Negative	Negative
Chiltan Aqua	BWG-97	BDL	6.80	283	156	32	7	110	40	36	10	BDL	BDL	0.9	BDL	39	BDL	Negative	Negative
BOLANIA	BWG-98	BDL	7.34	154	85	16	5	60	35	20	17	BDL	BDL	0.9	BDL	BDL	BDL	Negative	Negative
VOLVO Water	BWG-99	BDL	6.88	532	293	32	5	100	160	70	72	0.31	BDL	2.6	BDL	22	0.7	Negative	Negative
Evians Safe Life	BWG-100	BDL	7.70	650	358	40	15	160	210	80	72	BDL	BDL	2.2	1.04	35	0.2	Negative	Negative
Aqua Hygienic	BWG-101	BDL	7.30	350	183	12	12	80	60	65	43	0.63	BDL	1.3	0.14	28	BDL	Negative	Negative
NEXUS	BWG-102	BDL	7.43	549	302	40	22	190	140	70	35	0.37	BDL	2.0	2.18	38	BDL	Negative	Negative
Pine'o	BWG-103	BDL	7.30	387	213	40	17	170	70	60	25	0.68	BDL	0.8	BDL	21	0.4	Negative	Negative
Lasani	BWG-104	BDL	7.40	400	220	36	19	170	70	80	19	0.69	BDL	4.9	BDL	19	6.7	08	Negative
Elayn Plus	BWG-105	BDL	7.11	368	202	40	12	150	70	60	19	0.36	BDL	1.5	BDL	28	0.5	Negative	Negative
FUSION	BWG-106	BDL	7.68	540	297	40	12	150	160	50	50	0.41	BDL	3.7	0.24	51	1.0	Negative	Negative
Aqua Refine	BWG-107	BDL	7.09	354	195	36	2	100	80	40	37	0.40	BDL	1.4	1.44	35	0.9	Negative	Negative
Nero	BWG-108	BDL	6.70	261	144	14	4	50	30	16	35	0.28	BDL	1.7	0.56	70	0.7	Negative	Negative
KaraKorum Flow	BWG-109	BDL	7.06	362	199	24	10	100	80	72	33	BDL	BDL	0.8	BDL	BDL	0.2	Negative	Negative
H2OPE	BWG-110	BDL	6.92	373	205	40	17	170	60	70	14	0.18	BDL	4.4	BDL	19	0.2	Negative	Negative

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Brand Name	Brand Code	Turbidity	pH	EC	TDS	Ca	Mg	Hard	HCO ₃	Cl	Na	F	Fe	K	NO ₃	SO ₄	As	Microbiological Contaminants	
PSQCA Bottled Water Standards	-	0.5	6.5 - 8.5	NGVS	500	100	50	NGVS	NGVS	250	50	0.7	0.3	10	10	250	10	Total Coli forms 0/100ml	E-Coli 0/100ml
Detection Limits	-	0.2	0.02	0.287	-	2	1	5	5	2	1	0.03	0.03	0.2	0.06	0.4	0.1	-	-
Aqua Royal	BWG-111	BDL	7.59	393	216	40	12	150	120	35	16	0.44	BDL	5.2	BDL	29	0.5	Negative	Negative
Jami Water	BWG-112	BDL	7.42	368	202	32	5	100	80	72	36	0.23	BDL	1.2	BDL	BDL	0.5	Negative	Negative
Al-Shalal	BWG-113	BDL	7.53	293	161	25	9	100	120	20	23	0.29	BDL	4.7	BDL	BDL	0.8	Negative	Negative
Ripples	BWG-114	BDL	6.78	321	177	40	10	140	60	55	12	0.23	BDL	1.0	BDL	15	1.2	Negative	Negative
OSLO	BWG-115	BDL	7.10	334	184	20	7	80	50	60	38	0.43	BDL	2.8	0.83	30	0.7	Negative	Negative
Pak Crystal	BWG-116	BDL	7.68	461	254	44	17	180	90	80	18	0.65	BDL	2.3	6.16	23	BDL	Negative	Negative
Aqua Splash	BWG-117	BDL	6.91	334	184	40	7	130	35	65	13	0.62	BDL	1.4	4.04	15	BDL	Negative	Negative
Aquamin Plus	BWG-118	BDL	7.32	284	156	30	4	90	60	40	27	BDL	BDL	0.3	BDL	18.5	BDL	Negative	Negative
Wah Water	BWG-119	BDL	7.45	314	173	40	7	130	90	20	15	0.70	BDL	1.2	4.31	28	BDL	Negative	Negative
Nebraska	BWG-120	BDL	7.26	372	205	40	15	160	70	60	14	0.38	BDL	0.3	0.71	27	BDL	Negative	Negative
Aqua Pura Smart	BWG-121	BDL	7.10	401	221	40	12	150	70	72	19	0.19	BDL	BDL	0.27	25	BDL	Negative	Negative
Sabil	BWG-122	BDL	7.43	394	217	40	12	150	70	50	21	0.40	BDL	1.6	6.62	24	BDL	Negative	Negative
Aqua Drink	BWG-123	BDL	7.55	397	218	40	12	150	100	30	18	0.46	BDL	1.5	6.01	35	BDL	Negative	Negative
Ab-e-Khyber	BWG-124	BDL	7.22	394	217	40	12	150	90	40	19	0.57	BDL	1.5	6.50	21	BDL	Negative	Negative
Natural Aqwah Water	BWG-125	BDL	7.50	312	172	40	5	120	50	50	15	0.42	BDL	1.2	4.30	21	BDL	Negative	Negative
Aquatic Fresh	BWG-126	BDL	7.50	578	318	60	17	220	140	60	26	0.34	BDL	2.8	8.6	31	BDL	Negative	Negative
Moya Mineral	BWG-127	BDL	6.92	313	172	40	7	130	60	52	14	0.70	BDL	1.6	3.48	10	BDL	Negative	Negative
Top Up	BWG-128	BDL	7.44	393	216	44	12	160	120	36	18	0.40	BDL	2.1	4.92	15	BDL	Negative	Negative
Alfa	BWG-129	BDL	7.68	464	255	44	22	200	130	40	18	0.63	BDL	2.3	5.86	35	BDL	Negative	Negative
Aqua Health	BWG-130	BDL	6.52	351	193	40	2	110	130	22	37	0.59	BDL	0.7	BDL	17	BDL	Negative	Negative
Water Plus	BWG-131	BDL	6.52	241	133	12	10	70	50	24	25	0.06	BDL	0.2	0.81	22	0.3	Negative	Negative
Ab-e-Haram	BWG-132	BDL	6.95	316	190	10	BDL	25	60	55	58	0.08	BDL	0.8	0.85	14	0.5	Negative	Negative
Culligan	BWG-133	BDL	6.82	284	156	30	9	110	40	60	9	0.24	BDL	9.8	1.34	BDL	BDL	Negative	Negative
Aqua SHARAV	BWG-134	BDL	6.52	224	123	12	2	50	50	45	41	0.22	BDL	0.8	BDL	BDL	BDL	Negative	Negative
UF Pure EDGE	BWG-135	BDL	6.85	248	136	16	2	50	40	36	46	0.34	BDL	0.9	BDL	14	BDL	Negative	Negative
Blue Plus	BWG-136	BDL	6.74	550	303	30	6	100	70	70	86	BDL	BDL	5.7	5.75	37	BDL	Negative	Negative
NEO	BWG-137	BDL	6.70	188	113	10	4	40	40	20	25	0.23	BDL	0.2	2.45	17	0.3	Negative	Negative
Blue Ice	BWG-138	BDL	6.53	453	249	16	12	90	80	90	68	0.24	BDL	1.1	0.49	5	0.6	04	Negative
DOURO	BWG-139	BDL	6.95	425	234	48	19	200	90	70	12	BDL	BDL	BDL	0.08	23	0.2	Negative	Negative
YES	BWG-140	0.2	6.52	202	111	16	5	60	50	20	18	BDL	BDL	0.2	0.56	20	0.6	Negative	Negative

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Brand Name	Brand Code	Turbidity	pH	EC	TDS	Ca	Mg	Hard	HCO ₃	Cl	Na	F	Fe	K	NO ₃	SO ₄	As	Microbiological Contaminants	
PSQCA Bottled Water Standards	-	0.5	6.5 - 8.5	NGVS	500	100	50	NGVS	NGVS	250	50	0.7	0.3	10	10	250	10	Total Coli forms 0/100ml	E-Coli 0/100ml
Detection Limits	-	0.2	0.02	0.287	-	2	1	5	5	2	1	0.03	0.03	0.2	0.06	0.4	0.1	-	-
Raanar	BWG-141	BDL	6.97	385	212	40	13	190	80	60	18	BDL	BDL	BDL	BDL	21	BDL	Negative	Negative
RIVA	BWG-142	BDL	7.43	549	302	40	22	190	70	70	35	BDL	BDL	2.0	2.18	38	BDL	Negative	Negative
Sprinkle+	BWG-143	BDL	7.53	293	161	25	9	100	120	20	23	0.29	BDL	4.7	BDL	BDL	BDL	Negative	Negative
RA Water	BWG-144	BDL	6.70	261	144	14	4	50	80	16	35	0.28	BDL	1.7	0.56	70	0.7	Negative	Negative
Sunlay	BWG-145	BDL	6.96	222	122	25	2	70	40	20	17	0.14	BDL	0.9	BDL	35	BDL	Negative	Negative
Purest	BWG-146	0.2	7.12	412	227	40	7	130	90	60	36	0.24	BDL	0.8	2.37	19	BDL	Negative	Negative
Eltsen	BWG-147	BDL	7.00	289	159	20	2	60	50	36	40	0.24	BDL	0.7	1.63	24	BDL	Negative	Negative
Pakola	BWG-148	BDL	6.90	255	140	20	10	90	60	30	15	BDL	BDL	2.1	BDL	20	BDL	Negative	Negative
ALPHA	BWG-149	BDL	7.44	473	212	40	12	150	80	70	66	0.17	BDL	1.4	0.65	20	BDL	Negative	Negative
Vey	BWG-150	BDL	7.12	343	189	45	4	130	70	48	15	BDL	BDL	1.1	0.04	22	BDL	Negative	Negative
Aqua King	BWG-151	BDL	7.05	221	122	24	2	70	30	30	17	BDL	BDL	0.9	BDL	35	BDL	Negative	Negative
Active One	BWG-152	BDL	7.04	223	123	12	BDL	30	25	45	33	BDL	BDL	1.2	3.00	5	BDL	Negative	Negative
Safi	BWG-153	BDL	7.26	272	150	20	5	90	60	36	31	BDL	BDL	0.5	0.04	20	BDL	Negative	Negative
AQUASLIM	BWG-154	BDL	7.19	266	147	36	4	110	70	24	19	BDL	BDL	0.2	0.04	20	BDL	Negative	Negative
Aqua One	BWG-155	BDL	6.9	360	208	44	7	140	40	87	17	0.02	BDL	BDL	0.04	29	BDL	Negative	Negative
Rahat Water	BWG-156	BDL	7.00	259	155	20	7	80	70	33	30	BDL	BDL	3	BDL	20	BDL	Negative	Negative
Erie Water	BWG-157	BDL	6.80	268	188	44	5	130	30	82	16	0.03	BDL	BDL	BDL	23	BDL	Negative	Negative
Drinklay	BWG-158	BDL	6.80	306	185	32	10	120	30	61	15	0.02	BDL	BDL	BDL	49	BDL	Negative	Negative
Pure Flo	BWG-159	BDL	7.00	321	181	28	7	100	70	55	30	0.06	BDL	BDL	BDL	19	BDL	Negative	Negative
Spreva	BWG-160	BDL	6.70	340	193	44	7	140	30	80	14	0.03	BDL	BDL	BDL	30	BDL	Negative	Negative
OOS Water	BWG-161	BDL	6.70	235	138	18	11	90	20	37	11	0.04	BDL	BDL	BDL	49	BDL	Negative	Negative
Glacial Water	BWG-162	BDL	6.70	273	157	36	4	105	30	67	16	BDL	BDL	BDL	0.59	14	BDL	Negative	Negative
Aqua Amanzi	BWG-163	BDL	6.70	291	170	18	11	90	50	38	26	0.04	BDL	BDL	0.13	46	BDL	Negative	Negative
Trust Drinking Water	BWG-164	BDL	6.60	282	166	20	7	80	60	38	28	0.04	BDL	3	0.63	31	BDL	Negative	Negative
Nestle Pure life	BWG-165	BDL	7.10	379	208	40	11	145	30	74	16	0.04	BDL	3	0.04	46	BDL	Negative	Negative
Doce Water	BWG-166	BDL	6.70	326	180	36	9	125	30	65	14	0.04	BDL	BDL	0.02	38	BDL	Negative	Negative
Klinz	BWG-167	BDL	6.70	488	275	56	12	190	50	106	26	0.04	BDL	BDL	0.29	44	BDL	Negative	Negative
Aasnai Sip	BWG-168	BDL	7.10	366	210	28	10	110	60	62	30	0.03	BDL	BDL	0.11	44	BDL	Negative	Negative
Suffi	BWG-169	BDL	7.30	345	189	40	7	130	50	67	18	0.05	BDL	BDL	0.02	27	BDL	Negative	Negative
Marine Blue	BWG-170	BDL	6.80	295	165	24	7	90	50	48	26	0.10	BDL	BDL	BDL	30	BDL	Negative	Negative