



# QUARTERLY REPORT BOTTLED WATER QUALITY

(July-September, 2018)



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

**July-September, 2018**



## 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 July-September, 2018 following is the brief overview of the findings.

### Quarterly Monitoring of Bottled/Mineral Water (July-September, 2018)

Item	No.	% age
Total No. of Brands Collected	118	-
Overall Safe Brands	109	92
Overall Unsafe Brands	09	08
Chemically Safe Brands	112	95
Chemically Unsafe Brands	06	05
Microbiologically Safe Brands	115	97
Microbiologically Unsafe Brands	03	03

Name of Targeted Cities	Islamabad, Rawalpindi, Gujranwala, Peshawar, Multan, Lahore, Bahawalpur, Rahim Yar Khan, Tandojam, Quetta, Karachi.	
Chemically Unsafe Brands (06)	Brand Name	Manufacturer(s)
	Pure Water	Al-aziz Plaza, Marqaba Hall Road, Phase 7, Bahria Town, Islamabad.alazizpak@gmail.com
	Plus Piyaas	Mouza Zakira Samma Satta. Head Off: 59-A, Ghalla Mandi, Bahawalpur, Pakistan
	3 Star	3 Star Premium Drinking Water Sukkar. CM/L-3395/2016 T.M:387941
	Douro	A Product of Douro International: Plot#C-14, Sultan Road, F.B Area Karachi 0314-3442577
	Real Plus	RC-12/140, Bohra Peer, Karachi. 0300-2424504 0311-9338409
	Pure It	Ghausia Street, Sher Shan Road Off Raiwind Road Lahore
Microbiologically Unsafe Brands (03)	Elayn Plus	A Product Of Sajjad Food Industry Shadab Colony (Hamaytian) Bahawalpur
	Crystal Maya	A Product of Asghar and Sons
	Aqua Saad	Plaza A2/15, Ground Floor Block-H, Commercial Valancia Town Lahore.



## 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

<b>No. of Brands Collected</b>	118	
<b>No. of Cities Targeted</b>	11 (Islamabad, Rawalpindi, Gujranwala, Rahim Yar Khan, Peshawar, Lahore, Bahawalpur, Quetta, Multan, Tando Jam, Karachi)	
<b>Composition of Sampling Team As per MoU Signed between PCRWR &amp; PSQCA</b>	One Research Officer and one Laboratory Assistants from PCRWR and Senior staff member and field officer from PSQCA.	
<b>Sampling Procedure</b>	Samples of 118 commercially available brands of mineral/bottled water were collected from local market of 11 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 with PSQCA representative where available, during July-September, 2018. 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.	
<b>Transparency</b>	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
Sea Pack	BWS-01	Islamabad	7/8/2018	06/2018	1.5 Liter	Quaid-e-Azam University Wady Fast Foods Main Café Islamabad.	Plot # 3, G-7 Markaz, Islamabad-Pakistan. Email:Info.seapackwater@gmail.com
Blue Spring Water	BWS-02	Islamabad	07/08/2018	02/2019	1.5 Liter	Quaid-e-Azam University Wady Fast Foods Main Café Islamabad	Packaged by Bahtar Bottlers (Pvt.) Ltd. Office 1-4, Landmark plaza, SCHS, E-11/2, Islamabad
Nectar	BWS-03	Islamabad	07/08/2018	07/2019	1.5 Liter	Bari Badshah Tuck Shop Bari Imam Market Islamabad	Plot#14/10, Markaz G-7 Islamabad E-mail:nectarenterprises@Live.com
Hydr8	BWS-04	Islamabad	07/08/2018	05/2019	0.6 Liter	Khan Tuck Shop, Opp.poly Clinic Hospital Islamabad.	Hydr8 Commercial # 553, Main Road, VIP Ghouri Town, Islamabad
Fresh Life	BWS-05	Islamabad	07/08/2018	06/2019	0.6 Liter	Khan Tuck Shop, Opp.poly Clinic Hospital Islamabad.	Approved By Frseh Life Pindori Road, Main Khana Dak, Islamabad
Pure Water	BWS-06	Islamabad	07/08/2018	07/2019	0.6 Liter	Khan Tuck Shop Opp.poly Clinic Hospital Islamabad.	Al-aziz Plaza, Marqaba Hall Road, Phase 7, Bahria Town, Islamabad.alazizpak@gmail.com
Aquafina	BWS-07	Islamabad	07/08/2018	07/2019	0.5 Liter	Pims Hospital Pharmacy Islamabad.	Purified and filled by Haidri Beverages (Pvt) Ltd, Opp Industrial Triangle, Kahuta Road, Islamabad.
Dasani	BWS-08	Islamabad	07/08/2018	06/2019	0.5 Liter	Pims Hospital Main Pharmacy Imran Pharmacy Islamabad	Bottled Under Authority of The Coca Cola Company By coca-cola Beverages Pakistan Ltd.(CCBPL)26,FCC,Syed Maratab Ali Road, Gulberg IV,Lahore,Pakistan
Murree Sparkletts	BWS-09	Islamabad	07/08/2018	07/2019	0.5 Liter	AIOU Cafeteria Near Block 4 Islamabad	Murree Sparkletts (A Division of Murree Brewery Co. Plot No # 10/2, Phase III Industrial Estate, Hatter.
Nestol	BWS-10	Islamabad	05/09/2018	12/2019	1.5 Liter	Collected from manufacturing point	Khana Dak, Park Area Islamabad. 0300-5303135 0315-2340090
Aquantis	BWS-11	Islamabad	05/09/2018	12/2018	0.5 Liter	Collected from manufacturing point	Quality Providers: Bismillah Plaza Ashraf Town Pindoria Khanapul Islamabad
Mehr	BWS-12	Rawalpindi	05/09/2018	12/2018	0.6 Liter	Collected from manufacturing point	Bottled by: Pir Mehr Ali Shah Arid Agriculture University Murree Road Rawalpindi
Gourmet	BWS-13	Islamabad	05/09/2018	-	0.6 Liter	Gourmet Shop Saidpur Road Rawalpindi	Gourmet Foods: Gate # 1, Plot 1-5, Sunder Industrial Estate, Raiwind Sunder Road, Lahore, Pakistan
Springley	BWS-14	Islamabad	05/09/2018	-	0.6 Liter	Springley distribution store IJP Road, Near Katarian Pull Rawalpindi	Qarshi Industries (Pvt) Ltd. Jame-Shirin Boulevard, 14- G Gulberg III, Lahore.
Prime Water	BWS-15	Islamabad	11/09/2018	12/2018	0.6 Liter	Collected from manufacturing point	Bottled by: SSA Enterprises Prime House, Simly Dam Road, Bara Kahu, Islamabad. <a href="mailto:Primewater050@mail.com">Primewater050@mail.com</a>



Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address
Water Plus	BWS-16	Islamabad	11/09/2018	12/2018	0.6 Liter	Collected from manufacturing point	Plot No. 235, St 6, I-9/2, Industrial Area, Islamabad.
Venora	BWS-17	Islamabad	11/09/2018	01/2019	0.6 Liter	Collected from manufacturing point	Head Office: Plot No, 238, St # 8, I-9/3 Islamabad. 051-4432848
Deosai	BWS-18	Islamabad	11/09/2018	12/2018	0.6 Liter	Collected from manufacturing point	Bottled by: Margalla Foods & Beverages: Plot No. 32, Khayaban-e-Johar, Industrial Area, Sector I-9/2, Islamabad
Sunley Pure	BWS-19	Islamabad	11/09/2018	12/2018	1.5 Liter	Collected from manufacturing point	Bottled by: PAKISTAN PVC LIMITED (FOOD DIVISION) 31-A Sector I-9 Islamabad Pakistan
Hydra	BWS-20	Islamabad	11/09/2018	12/2018	1.5 Liter	Collected from manufacturing point	Bottled by: PAKISTAN PVC LIMITED (FOOD DIVISION) 31-A Sector I-9 Islamabad Pakistan
Eden Pure Water	BWS-21	Multan	08/08/2018	07/2019	0.6 Liter	Rasheed Zafar Drink Corner Khanewal Road, Multan.	Sadaf Canal, Bahawalpur Road, Multan-Pakistan. <a href="http://www.edenpurewater.com">www.edenpurewater.com</a>
SN Pure Drinking Water	BWS-22	Multan	10/08/2018	05/2019	1.5 Liter	Bhutto Drink Corner, Cantt. Multan	A Project Of S.N FOOD & BEVERAGES MULTAN-PAKISTAN Email: <a href="mailto:fk786504@gmail.com">fk786504@gmail.com</a>
Galaxy Pure Water	BWS-23	Multan	10/08/2018	04/2019	1.5 Liter	Collected from manufacturing point	Opps. Peer Umer Janaza Ghah, Babar Road, Khuni Burj Multan
Zam	BWS-24	Multan	10/08/2018	02/2019	1.5 Liter	Collected from manufacturing point	New MHN Drinks & Food Makers (Pvt) Ltd. 129-130, Sabzwari Town Multan, Pakistan
Pura Light	BWS-25	Multan	12/08/2018	08/2019	0.6 Liter	Ali Express Terminal Vehari Chowk Multan.	Batch # P-0013 Manufactured By: PURA Co. Pakistan
Pureau Water	BWS-26	Multan	12/08/2018	07/2019	0.5 Liter	Ali Express Terminal Vehari Chowk Multan.	Manufactured by: Universal Enterprises.
New Deep	BWS-27	Multan	09/08/2018	07/2019	0.5 Liter	Fareed Medicos Dolat Gate, Multan	Bottled by: S.B Food & Beverages Zakriya Town Bosan Road Multan
Dasani	BWS-28	Bahawalpur	15/08/2018	05/2018	1.5 Liter	Pharmacy- Gulberg Road MTA Bahawalpur	(CCBPL), 26 FCC, Syed Maratab Ali Road, Gulberg IV, Lahore, Pakistan
National	BWS-29	Bahawalpur	15/08/2018	07/2019	1.5 Liter	New Awan Medical Store MTC Road Bahawalpur	Nazir Enterprises: Dera Bakha Bahawalpur <a href="mailto:Nazirenterprises509@gmail.com">Nazirenterprises509@gmail.com</a>
Aquafina	BWS-30	Bahawalpur	15/08/2018	07/2019	0.5 Liter	Wanjara Shops Huts Gulberg Road Bahawalpur	Purified and Filled By Riaz Bottlers (Pvt) Ltd.32-N, Gulberg II, Lahore.
Plus Piyaas	BWS-31	Bahawalpur	15/08/2018	07/2019	0.6 Liter	Riaz Medical Store Road MTC Bahawalpur	Mouza Zakira Samma Satta. Head Off: 59-A, Ghalla Mandi, Bahawalpur, Pakistan
Pure Next	BWS-32	Bahawalpur	15/08/2018	07/2019	0.6 Liter	Shan Sweet Bakers Railway Road Bahawalpur	Filled by:Mezan Beverages(Pvt)Ltd 45 km,Multan Road, Lahore
Kristil Aquas	BWS-33	Bahawalpur	15/08/2018	08/2019	0.6 Liter	M.Yasir Munir Airport Road Bahawalpur	Manufactured By: 7-km, Airport Road, Bahawalpur. E-mail: <a href="mailto:yasirmunirrb@gmail.com">yasirmunirrb@gmail.com</a>



Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address
Elayn Plus	BWS-34	Bahawalpur	15/08/2018	06/2019	1.5 Liter	Riaz Medical Store MTC Road Bahawalpur	A Product Of Sajjid Food Industrey Shadab Colony (Hamaytian) Bahawalpur.
Panee	BWS-35	Bahawalpur	16/08/2018	08/2019	0.6 Liter	Mubarik Shereen Mehal Abbasia Chowk APE	SUALEH SONS FOODS Room#2/32, Al Abid Chamber Shahrah-e-Liaquat Karachi Factory:1/2km,Bahawalpur Road, Ahmedpur East.
Water Well	BWS-36	Bahawalpur	15/08/2018	09/2019	0.5 Liter	Riaz Medical Store Road MTC Bahawalpur	Manufactured By: Water Well A. Pur East Abbasia Chowk District Bahawalpur
Nestle	BWS-37	Bahawalpur	15/08/2018	-	06 Liter	Wanjara Shops Huts Gulberg Road Bahawalpur	Bottled By: Nestle Pakistan Limited:308-upper Mall, Lahore, Pakistan
7 Blue	BWS-38	Bahawalpur	15/08/2018	07/2019	1.5 Liter	Shareef Pharmacy Mart MTC Road Bahawalpur	Serani Foods & Beverages Company: Khanqah Sharif Bahawalpur Pakistan.
Water Candy	BWS-39	Bahawalpur	16/08/2018	07/2019	0.6 Liter	M. Faisal Dewan Moza Faizpur APE	Diwan Enterprises: Tehsil Ahmedpur, Distt. Bahawalpur <a href="mailto:watercandy@diwanenterprises.com">watercandy@diwanenterprises.com</a>
Shangrilla Pure Water	BWS-40	Bahawalpur	16/08/2018	07/2019	0.6 Liter	Shangrilla Sweet Bakers Abbasia Chowk APE	Chowk Abbasia Ahmed Pur East. T.M. No:406479
Gourmet	BWS-41	Bahawalpur	15/08/2018	03/2019	0.6 Liter	Gourmet Sweet Bakery Railway Road Bahawalpur	Gourmet Foods: Gate # 1, Plot 1-5, Sunder Industrial Estate, Raiwind Sunder Road, Lahore, Pakistan
Kinley	BWS-42	Bahawalpur	15/08/2018	12/2018	0.6 Liter	Pharmacy Gulberg Road MTA Bahawalpur	(CCBPL), 26 FCC, Syed Maratab Ali Road, Gulberg IV, Lahore, Pakistan.
Pine'o	BWS-43	Bahawalpur	15/08/2018	04/2019	0.6 Liter	New Awan Medical Store MTC Road Bahawalpur	Under Licence: Gysing Pak DDR-1, PSIE Bahawalpur. <a href="mailto:gysing@live.com">gysing@live.com</a>
J.Smart Water	BWS-44	Bahawalpur	15/08/2018	03/2019	0.6 Liter	Wanjara Shops Huts Gulberg Road Bahawalpur	T.M. No:433366
Nestle	BWS-45	Tando jam	17/08/2018	01/2020	0.5 Liter	Syed Brothers General Store, Latifabad Unit No.7, Hyderabad.	Bottled By: Nestle Pakistan Limited:308-upper Mall, Lahore, Pakistan
Fit Fat	BWS-46	Tando jam	17/08/2018	-	0.6 Liter	Al-Atta Medical General Store, Nasim Nagar, Hyderabad.	T.M. No:492643
Viva	BWS-47	Tando jam	17/08/2018	-	0.6 Liter	Royal Qasimabad, Hyderabad.	Quality Product Of Sarfraz Enterprises <a href="http://www.vivipk.com">www.vivipk.com</a>
OSLO	BWS-48	Tando jam	17/08/2018	-	0.6 Liter	Syed Brothers General Store, Latifabad Unit No.7, Hyderabad.	Oslo International: 14-Ramzan Chamber Dr.Billmoriam Street off 11,Chundighr, Karachi
Aquafina	BWS-49	Tando jam	17/08/2018	07/2019	0.5 Liter	Syed Brothers General Store, Latifabad Unit No.7, Hyderabad.	M/s Pakistan Beverages Limited.Survey#212, Deh Konkar, Distt Malir, Karachi.
Aqua Stream	BWS-50	Tando jam	17/08/2018	-	0.6 Liter	New Super Mart Alamdar Chowk, Qasimabad	TM 466238 A-69, East Qasimabad Hyderabad.





Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address
Aqua Hygienic	BWS-51	Quetta	17/08/2018	04/2019	1.5 Liter	Al-Kausar Medical Store Jinnah Road, Quetta.	Marketed by: Zauhras Plot#2, Street12, faisal Town Brewery Road, Quetta.
Aqua One	BWS-52	Quetta	17/08/2018		1.5 Liter	Quetta Medical Store Jinnah road, Quetta.	Aqua One Filtration (Pvt)Ltd 30-A Niaz Town Main Boulevard (Near Valencia Town) Lahore - Pakistan
Jel	BWS-53	Quetta	17/08/2018	12/2020	1.5 Liter	SMD Store Saleem Complex, Quetta	Produced By MEGA FINE INDUSTRIES Plot No. A-79 Malir Industrial Area Karachi
Nestle	BWS-54	Quetta	17/08/2018	01/2020	1.5 Liter	Marri Medical Store Jinnah Road, Quetta.	Bottled By Nestle Pakistan Ltd. 308-Upper Mall, Lahore
3 Star	BWS-55	Quetta	17/08/2018		1.5 Liter	Ismail General Store Jinnah Road, Quetta.	3 Star Premium Drinking Water Sukkar. CM/L-3395/2016 T.M:387941
Mai Dubai	BWS-56	Quetta	17/08/2018		1.5 Liter	Shah Store Saleem Complex, Quetta	Kansi Road Quetta. Reg No.306/SIU/DGIQ/2017 CM/C-2906/2013 0333-7952161
D- Nova	BWS-57	Quetta	17/08/2018		1.5 Liter	Open Shop Near BML Hospital, Quetta.	Jai Enterprises: Sindh Small Industries Larkana
NEO	BWS-58	Quetta	17/08/2018	09/2019	1.5 Liter	Khan Super Store Near, BML Hospital Quetta.	Address: Suite 115,Glass Tower,3 Talwar Clifton, Karachi
Aquafina	BWS-59	Quetta	17/08/2018	10/2019	1.5 Liter	A one General Store Jinnah Road, Quetta.	M/s Pakistan Beverages Limited.Survey#212, Deh Konkar, Distt Malir, Karachi.
Marina	BWS-60	Peshawar	05/09/2018	08/2019	1.5 Liter	Collected from manufacturing point	Malik Foods Industries: Alwasi City, Ring Road, Pishtakhara Peshawar KPK.
AB-e Khyber	BWS-61	Peshawar	04/09/2018	08/2019	1.5 Liter	Collected from manufacturing point	I&S International:Plot#87,88-A Hayatabad Small Industrial Estate Peshawar <a href="mailto:Abekhyber123@gmail.com">Abekhyber123@gmail.com</a>
Nebraska	BWS-62	Peshawar	04/09/2018	11/2019	0.6 Liter	Collected from manufacturing point	Bottled at Dew Point Healthcare Water Purification and Processing Facility:12-CIndustrial Estate, Hayatabad, Peshawar.
Top Up	BWS-63	Peshawar	04/09/2018	08/2019	0.5 Liter	Collected from manufacturing point	Top Up Industry:Plot#C-3,Industrial Estate Hayatabad Peshawar
Natural Aqwah	BWS-64	Peshawar	04/09/2018	09/2019	0.6 Liter	Collected from manufacturing point	RG Enterprises: Plot#141, 7-Industrial Estate, Hayatabad, Peshawar. Web:www.aqwah.com
Aquatic Fresh	BWS-65	Peshawar	04/09/2018	08/2019	0.6 Liter	Collected from manufacturing point	Royal Food Industries: Plot#1-C, Industrial Estate Hayatabad, Peshawar
Moya Mineral Water	BWS-66	Peshawar	04/09/2018	01/2019	0.6 Liter	Collected from manufacturing point	Plot 580/B main Gulberg Peshawar Cantt.
Wah Water	BWS-67	Peshawar	04/09/2018	09/2019	0.6 Liter	Collected from manufacturing point	RG Enterprises: Plot#141, 7-Industrial Estate, Hayatabad, Peshawar. Web:www.aqwah.com
Aqua Splash	BWS-68	Peshawar	04/09/2018	08/2019	0.6 Liter	Collected from manufacturing point	Euro International: 192-AIndustrial Estate, Hayatabad, Peshawar.
Murree Sparkletts	BWS-69	Rahim Yar Khan	06/09/2018	07/2019	0.5 Liter	Fine Sweet Bakers Shahi Road Rahim Yar Khan	Murree Sparkletts (A Division of Murree Brewery Co. Plot No # 10/2, Phase III Industrial Estate, Hatter.



Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address
Sky Blue	BWS-70	Rahim Yar Khan	06/09/2018	06/2019	0.6 Liter	Khursheed Medical & Surgical Store Hospital Road Rahim Yar Khan	Abbasia Banglows, Near Free Eye Hospital, Rahim Yar Khan.
Jallundhar	BWS-71	Rahim Yar Khan	06/09/2018	07/2019	0.6 Liter	Jallundhar Sweet Bakers Shahi Road Rahim Yar Khan	Bottled by: Jallundhar Foods (Pvt) Ltd. Thali Chowk, Taj Garh Road, Rahim Yar Khan.
Aqua Crystal	BWS-72	Rahim Yar Khan	06/09/2018	-	0.6 Liter	Al faisal Medical Store Hospital Road Rahim Yar Khan	A Product Of Aqua Crystal: Aslam Town Abu Dabhi Road Rahim Yar Khan
Pani	BWS-73	Rahim Yar Khan	07/09/2018	09/2019	0.6 Liter	Jholay Lal Manthar Pan Shop Dinpur Chowk Khanpur Rahim Yar Khan.	Premium Foods And Beverages: 1754-A/22 L.M.Q Road. Multan Pakistan
Falah	BWS-74	Rahim Yar Khan	06/09/2018	06/2019	0.6 Liter	Data Medical Hospital Road Rahim Yar Khan	Bottled & Resources at R.I.M Enterprises Rahim Yar Khan Pakistan
Aqua Cool	BWS-75	Rahim Yar Khan	06/09/2018	-	0.5 Liter	Ashraf And Haqem Medical Store Hospital Road Rahim Yar Khan	Punjab Food Authority: Khawaja Bungalows Abbasia Town, Rahim Yar Khan. 0332-8485186
D-Nova	BWS-76	Rahim Yar Khan	06/09/2018	-	0.6 Liter	Utility Store Of Hospital Road Rahim Yar Khan	Jai Enterprises: Sindh Small Industries Larkana
Aab-e-Noor	BWS-77	Rahim Yar Khan	06/09/2018	06/2019	1.5 Liter	Kareem Medical Store Hospital Road Rahim Yar Khan	Al-Jannat Enterprises:K-26 Khawaja Bungalows Abbasia Town, Rahim Yar Khan
New Aqua	BWS-78	Rahim Yar Khan	07/09/2018	06/2019	1.5 Liter	Hassan Medicos Model Town Khanpur Rahim Yar Khan.	Bottled & Resource at Aqua Enterprises KLP Road, Zahir Pir Rahim Yar Khan
Al masafi	BWS-79	Rahim Yar Khan	06/09/2018	11/2020	1.5 Liter	Doctor Pharmacy Hospital Rahim Yar Khan	Bottled & Sourced At: Street # 2 Canal View Rahim Yar Khan 0300-7822499 <a href="mailto:almasafi@yahoo.com">almasafi@yahoo.com</a>
New Max	BWS-80	Karachi	11/09/2018	12/2018	0.6 Liter	Café komal Restaurant Shah Faisal Colony No.1 Karachi	Address Suite 115, Glass Tower, 3 Talwar Clifton, Karachi.
Livon	BWS-81	Karachi	11/09/2018	-	0.6 Liter	Nimko & Cold Drink Shop Brigh Road, Cant Karachi	A Product By: MURTAZA TRADERS: Suite 2,Khizaar Corner,R-143,Z-4,Gulshan-e-Maymar Karachi
Douro	BWS-82	Karachi	11/09/2018	12/2020	0.6 Liter	Malik Store Gulshan-e-Johar Block-4,Karachi	A Product of Douro International: Plot#C-14, Sultan Road, F.B Area Karachi 0314-3442577
Real Plus	BWS-83	Karachi	11/09/2018	-	0.6 Liter	Ideal Medical & General Store Shah Faisal Colony No.1 Karachi	RC-12/140, Bohra Peer, Karachi. 0300-2424504 0311-9338409
Yes	BWS-84	Karachi	10/09/2018	12/2020	0.6 Liter	Bhai Jan Pan Shop Khokhar Market, Karachi	Mega Fine Industries: Plot A-79,Industrial Area, Malir Karachi
Safe Way	BWS-85	Karachi	10/09/2018	-	0.6 Liter	Lasani Shop Safora Chorangi, Karachi	A Product Of Safe Way Foods Water & Beverages. M.V Industrial Area,Gadap Town, Karachi





Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address
Mag Life	BWS-86	Karachi	10/09/2018	-	0.6 Liter	Bhai Jan General Store, Gulistan-e-Johar Block-3, Karachi	Address: S-1, Ground Floor, West Land Trade Centre, Block7-b, Shaheed-e-Millat Road, K.C.H.S Karachi.
Pure 18	BWS-87	Karachi	10/09/2018	-	0.6 Liter	Milk Shop General Store, Block No.2, Karachi	Quality Drinking Water a Product of Bawany Group.
Al- Habib	BWS-88	Karachi	11/09/2018		0.6 Liter	French Cozan Bakery & Sweets Johar More Karachi	E-10, Al-azam Square F.B Area, Block-1, Karachi E-mail: al-habib1@cyber.net.pk
Pure Aqua	BWS-89	Karachi	11/09/2018	-	0.6 Liter	Roomi Medical Shah Faisal Colony No.2, Karachi	Head Office: ST-B-2, Block-19 Gulistan-e-ali Al-Noor More F.B Area, Karachi <a href="http://www.pureaqua.com.pk">www.pureaqua.com.pk</a> 0308-2416521
Defence	BWS-90	Karachi	11/09/2018	06/2019	0.6 Liter	Faisal Son General Store Shah Faisal Colony No.2, Karachi	3/12 Block 3 S.F.C Industrial Area, Karachi. <a href="mailto:Jpfi_SYS@hotmail.com">Jpfi_SYS@hotmail.com</a>
Jel	BWS-91	Karachi	10/09/2018	12/2020	0.6 Liter	Cold Drink Shop Ayub Goth Karachi	Mega Fine Industries: Plot No.A-79, Malir Industrial Area Malir Karachi E-mail: <a href="mailto:info@megafineindustries.com">info@megafineindustries.com</a>
Crystal Maya	BWS-92	Karachi	10/09/2018	-	0.6 Liter	Sajjad Al-Hussani Bakery Sachal Goth Karachi	A Product of Asghar and Sons
Vitella	BWS-93	Karachi	11/09/2018	-	0.6 Liter	B-19, Sector Shah Latif Town, Bin Qasim Karachi	YHY Enterprises: <a href="http://www.vitella.com">www.vitella.com</a> 021-34314258 0305-2515995
NEO	BWS-94	Karachi	11/09/2018	12/2019	0.6 Liter	Kehkashan Bakeri Shah Faisal Colony No.2, Karachi.	Address: Suite 115, Glass Tower, 3 Talwar Clifton, Karachi
Aquench	BWS-95	Karachi	10/09/2018	-	0.6 Liter	Marvi Milk Shop Ayub Goth Karachi	Shop No.A-2, A-3 Foundation Blessing Block No.2, Gulshan-e-Johar New Sara Banquet University Road Karachi
MOGUL	BWS-96	Gujranwala	12/09/2018	-	1.5 Liter	Qamar Abbas New Pupil Colony Gujranwala	A Product Of Mogul Beverages Ltd. 10/10, Sector B-1, Township, Lahore - Pakistan
Splash Pure Water	BWS-97	Gujranwala	12/09/2018	-	0.6 Liter	Collected from manufacturing point	Splash Beverages & Foods Gala Shadman Marriage Hall, St # 1, G.T Road, Gujranwala
My Sweet Water	BWS-98	Gujranwala	12/09/2018	-	0.6 Liter	Mr. Shafiq Gulshan Colony Gujranwala	Bottled by Muslim Foods & Water Technology <a href="mailto:Muslimfoods381@gmail.com">Muslimfoods381@gmail.com</a> TM#443731
Unique	BWS-99	Gujranwala	12/09/2018	-	0.5 Liter	Collected from manufacturing point	Food Street Kacha Darwaza Near Masjid Shah Sahib Wali Gujranwala. 0306-5597720
My Smart Water	BWS-100	Gujranwala	12/09/2018	-	0.6 Liter	Collected from manufacturing point	Bottled by ajm Traders: A-70, Sialkot by pass, Gujranwala
AS Pure Water	BWS-101	Gujranwala	12/09/2018	-	1.5 Liter	Collected from manufacturing point	Bottled By As Mineral Water Pakistan Ltd Sialkot Bypass Gujranwala



Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address
Abaan Water	BWS-102	Gujranwala	12/092018	07/2019	1.5 Liter	Collected from manufacturing point	Processed By: Shah Riaz & Sons Abaan Water Point Near University Of Sargodha Campus, Gujranwala 0315-3203372 0321-6266250
Aquafina	BWS-103	Lahore	12/092018	09/2019	1.5 Liter	T.G.S Link Road, Lahore.	Purified & Filled Riaz Bottles (Pvt)Ltd.32-N,Gulberg II Lahore Under appointment from PepsiCo
Nestle	BWS-104	Lahore	12/092018	02/2020	1.5 Liter	T.G.S Link Road, Lahore.	Bottled By Nestle Pakistan Ltd. 308-Upper Mall, Lahore
Dasani	BWS-105	Lahore	12/092018	07/2019	1.5 Liter	T.G.S Link Road, Lahore.	Bottled Under Authority of The Coca Cola Company By coca-cola Beverages Pakistan Ltd.(CCBPL)26,FCC,Syed Maratab Ali Road, Gulberg IV,Lahore,Pakistan
Good Water	BWS-106	Lahore	12/092018	07/2019	1.5 Liter	Collected from manufacturing point	554-2-A-II Chaudhry Road Al-Kareem Chowk Township Lahore Goodwater848@gmail.com
Aqua das	BWS-107	Lahore	12/092018	07/2019	1.5 Liter	Collected from manufacturing point	Plot#7, Green View Society, Kacha Jail Road, Kot Lakhpat Lahore.
Klinz Water	BWS-108	Lahore	12/092018	03/2019	1.5 Liter	Collected from manufacturing point	Plot#10-A, Punjab Small Industrial Estate Kacha Jail Road Kot Lakhpat Lahore.
Gourmet	BWS-109	Lahore	12/092018	09/2019	1.5 Liter	Gourmet Shop Peco Road, Lahore	Gourmet Foods: Gate # 1, Plot # 1-5, Sunder Industrial Estate, Raiwind Sunder Road, Lahore, Pakistan.
Glacial	BWS-110	Lahore	13/092018	01/2019	1.5 Liter	Collected from manufacturing point	358-E,Johar Town, Lahore <a href="http://www.glacial.pk">www.glacial.pk</a> 03424522425
Anhaar	BWS-111	Lahore	14/09/2018	07/2019	0.5 Liter	A-Block Fast Mart Valancia Town, Lahore.	Filled by Sharif Milk Product Pvt. Ltd. at Jhang Road Chiniot
Aqua Saad	BWS-112	Lahore	14/09/2018	09/2019	0.6 Liter	Collected from manufacturing point	Plaza A2/15, Ground Floor Block-H, Commercial Valancia Town Lahore.
Karakorum	BWS-113	Lahore	13/092018	08/2019	0.55 Liter	Collected from manufacturing point	Karakorum Food Private Limited 21-Km, Off. Feroz Pur Road, Lahore.
Cristalene	BWS-114	Lahore	14/09/2018	09/2019	1.5 Liter	Collected from manufacturing point	A Product of Cristalene Pak Brothers: 30/A-1 Al-Feroz Plaza Commercial Area Valencia Society Lahore. <a href="http://www.cristalene.com">www.cristalene.com</a>
Jami Water	BWS-115	Lahore	13/092018	-	1.5 Liter	Khokhar Chowk Opp.Al-Jannat Shadi Hall, Lahore.	A Product of Jami Water Services:356-E PIA Housing Society PIA Road, Lahore <a href="http://www.jamiwater.com">www.jamiwater.com</a>
Karakorum Flow	BWS-116	Lahore	13/092018	09/2019	1.55 Liter	Collected from manufacturing point	Karakorum Food Private Limited 21-Km, Off. Feroz Pur Road, Lahore.
Pure It	BWS-117	Lahore	14/092018	09/2019	1.5 Liter	Collected from manufacturing point	Ghausia Street, Sher Shan Road Off Raiwind Road Lahore
Doce	BWS-118	Lahore	12/092018	08/2019	1.5 Liter	Collected from manufacturing point	48-M, Quaid-e-Azam Industrial State, Kot Lakhpat, Lahore <a href="http://www.doce.pk">www.doce.pk</a>



## WATER QUALITY PARAMETERS AND METHODS USED FOR ANALYSIS

Sr. #	PARAMETERS	ANALYTICAL METHOD
1.	Alkalinity (mg/l as CaCO <sub>3</sub> )	2320, Standard method (2012) APHA
2.	Arsenic (ppb)	AAS Vario 6, Analytik Jena AG
3.	Bicarbonate	2320, Standard method (2012) APHA
4.	Calcium (mg/l)	3500-Ca-D, Standard Method (2012) APHA
5.	Carbonate (mg/l)	2320, Standard method (2012)
6.	Chloride (mg/l)	Titration (Silver Nitrate), Standard Method (2012) APHA
7.	Color (TCU)	Sensory Test
8.	Conductivity (µS/cm)	E.C meter, Hach-44600-00, USA
9.	Hardness (mg/l)	EDTA Titration, Standard Method (2012) APHA
10.	Magnesium (mg/l)	2340-C, Standard Method (2012) APHA
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)	Flame photometer PFP7, UK
15.	Sodium (mg/l)	Flame photometer PFP7, UK
16.	Sulfate (mg/l)	SulfaVer4 (Hach-8051) by Spectrophotometer
17.	Phosphate (mg/l)	8190 and 8048 (Hach)
18.	Taste	Sensory Test
19.	TDS (mg/l)	2540C, Standard method (2012) APHA
20.	Turbidity (NTU)	Turbidity Meter, Lamotte, Model 2008, USA
21.	Fluoride (mg/l)	4500-F C. ion-Selective Electrode Method Standard method (2005) APHA
22.	Iron (mg/l)	FerroVer method (HACH Cat. 21057-69)
23.	Total Coliforms(MPN/100ml)	9221-B,C&D, Standard Methods (2012) APHA
24.	E. Coli (MPN/100ml)	9221-B,C&D, Standard Methods (2012) 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.	Co lour	(TCU)	15	NGVS	5
7.	Conductivity	( $\mu$ 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.	<i>E-coli</i>	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

#### Arsenic: Safe Limit : 10 parts per billion (ppb)

Sr. No	Brand Name	Code	City of Manufacturing	Unit	Results
1.	Plus Piyaas	BWS-31	Bahawalpur	ppb	15

#### Fluoride : Safe Limit : 0.7 parts per million (ppm)

Sr. No	Brand Name	Code	City of Manufacturing	Unit	Results
1.	Pure it	BWS-117	Lahore	ppm	1.8

#### Sodium: Safe Limit : 50 parts per million (ppm)

Sr. No	Brand Name	Code	City of Manufacturing	Unit	Results
1.	Pure Water	BWS-06	Islamabad	ppm	60
2.	3 Star	BWS-55	Sukkar	ppm	60
3.	Douro	BWS-82	Karachi	ppm	115
4.	Real Plus	BWS-83	Karachi	ppm	80

#### Bacteriological: (Total Coliforms , Fecal Coliforms & E Coli) (Safe Limit: 0/100ml)

Sr. No	Brand Name	Code	Results	
			Total Coliforms (MPN/100ml)	E. Coli (MPN/100ml)
1.	Elayn Plus	BWS-34	05	Nil
2.	Crystal Maya	BWS-92	28	Nil
3.	Aqua Saad	BWS-112	54	Nil



## PCRWR TESTING: SAFE BRANDS

Sr. No	Brand Name	Code	Quality (Safe/Unsafe)	
			Chemical	Microbiological
1.	Sea Pack	BWS-01	Safe	Safe
2.	Blue Spring Water	BWS-02	Safe	Safe
3.	Nectar	BWS-03	Safe	Safe
4.	Hydra	BWS-04	Safe	Safe
5.	Fresh life	BWS-05	Safe	Safe
6.	Aquafina	BWS-07	Safe	Safe
7.	Dasani	BWS-08	Safe	Safe
8.	Murree Sparkletts	BWS-09	Safe	Safe
9.	Nestol	BWS-10	Safe	Safe
10.	Aquantis	BWS-11	Safe	Safe
11.	Mehr	BWS-12	Safe	Safe
12.	Gourmet	BWS-13	Safe	Safe
13.	Springley	BWS-14	Safe	Safe
14.	Prime Water	BWS-15	Safe	Safe
15.	Water Plus	BWS-16	Safe	Safe
16.	Venora	BWS-17	Safe	Safe
17.	Deosai	BWS-18	Safe	Safe
18.	Sunley	BWS-19	Safe	Safe
19.	Hydra	BWS-20	Safe	Safe
20.	Eden Pure Water	BWS-21	Safe	Safe
21.	SN Pure Drinking Water	BWS-22	Safe	Safe
22.	Galaxy Pure Water	BWS-23	Safe	Safe
23.	Zam	BWS-24	Safe	Safe
24.	Pure Light	BWS-25	Safe	Safe
25.	Pureau Water	BWS-26	Safe	Safe
26.	New Deep	BWS-27	Safe	Safe
27.	Dasani	BWS-28	Safe	Safe
28.	National	BWS-29	Safe	Safe
29.	Aquafina	BWS-30	Safe	Safe
30.	Pure Next	BWS-32	Safe	Safe
31.	Kristil Aquas	BWS-33	Safe	Safe
32.	Panee	BWS-35	Safe	Safe
33.	Water Well	BWS-36	Safe	Safe
34.	Nestle	BWS-37	Safe	Safe
35.	7 Blue	BWS-38	Safe	Safe
36.	Water candy	BWS-39	Safe	Safe
37.	Shangrilla	BWS-40	Safe	Safe
38.	Gourmet	BWS-41	Safe	Safe
39.	Kinley	BWS-42	Safe	Safe
40.	Pine'o	BWS-43	Safe	Safe
41.	J.Smart Water	BWS-44	Safe	Safe
42.	Nestle	BWS-45	Safe	Safe
43.	Fit Fat	BWS-46	Safe	Safe





Sr. No	Brand Name	Code	Quality (Safe/Unsafe)	
			Chemical	Microbiological
44.	Viva	BWS-47	Safe	Safe
45.	Oslo	BWS-48	Safe	Safe
46.	Aquafina	BWS-49	Safe	Safe
47.	Aqua Stream	BWS-50	Safe	Safe
48.	Aqua Hygienic	BWS-51	Safe	Safe
49.	Aqua One	BWS-52	Safe	Safe
50.	Jel	BWS-53	Safe	Safe
51.	Nestle	BWS-54	Safe	Safe
52.	Mai Dubai	BWS-56	Safe	Safe
53.	D- Nova	BWS-57	Safe	Safe
54.	NEO	BWS-58	Safe	Safe
55.	Aquafina	BWS-59	Safe	Safe
56.	Marina	BWS-60	Safe	Safe
57.	AB-e Khyber	BWS-61	Safe	Safe
58.	Nebraska	BWS-62	Safe	Safe
59.	Top Up	BWS-63	Safe	Safe
60.	Natural Aqwah	BWS-64	Safe	Safe
61.	Aquatic Fresh	BWS-65	Safe	Safe
62.	Moya Mineral Water	BWS-66	Safe	Safe
63.	Wah Water	BWS-67	Safe	Safe
64.	Aqua Splash	BWS-68	Safe	Safe
65.	Murree Sparkletts	BWS-69	Safe	Safe
66.	Sky Blue	BWS-70	Safe	Safe
67.	Jallundhar	BWS-71	Safe	Safe
68.	Aqua crystal	BWS-72	Safe	Safe
69.	Pani	BWS-73	Safe	Safe
70.	Falah	BWS-74	Safe	Safe
71.	Aqua Cool	BWS-75	Safe	Safe
72.	D-Nova	BWS-76	Safe	Safe
73.	Aab-e-Noor	BWS-77	Safe	Safe
74.	New Aqua	BWS-78	Safe	Safe
75.	Al masafi	BWS-79	Safe	Safe
76.	New Max	BWS-80	Safe	Safe
77.	Livon	BWS-81	Safe	Safe
78.	Yes	BWS-84	Safe	Safe
79.	Safe Way	BWS-85	Safe	Safe
80.	Mag Life	BWS-86	Safe	Safe
81.	Pure18	BWS-87	Safe	Safe
82.	Al- Habib	BWS-88	Safe	Safe
83.	Pure Aqua	BWS-89	Safe	Safe
84.	Defence	BWS-90	Safe	Safe
85.	Jel	BWS-91	Safe	Safe
86.	Vitella	BWS-93	Safe	Safe
87.	Neo	BWS-94	Safe	Safe
88.	Aquench	BWS-95	Safe	Safe
89.	Mogul	BWS-96	Safe	Safe
90.	Splash Pure Water	BWS-97	Safe	Safe
91.	My Sweet Water	BWS-98	Safe	Safe



Sr. No	Brand Name	Code	Quality (Safe/Unsafe)	
			Chemical	Microbiological
92.	Unique	BWS-99	Safe	Safe
93.	My Smart Water	BWS-100	Safe	Safe
94.	As Pure Water	BWS-101	Safe	Safe
95.	Abaan Water	BWS-102	Safe	Safe
96.	Aquafina	BWS-103	Safe	Safe
97.	Nestle	BWS-104	Safe	Safe
98.	Dasani	BWS-105	Safe	Safe
99.	Good Water	BWS-106	Safe	Safe
100.	Aqua das	BWS-107	Safe	Safe
101.	Klinz Water	BWS-108	Safe	Safe
102.	Gourmet	BWS-109	Safe	Safe
103.	Glacial	BWS-110	Safe	Safe
104.	Anhaar	BWS-111	Safe	Safe
105.	Karakorum	BWS-113	Safe	Safe
106.	Cristalene	BWS-114	Safe	Safe
107.	Jami Water	BWS-115	Safe	Safe
108.	Karakorum Flow	BWS-116	Safe	Safe
109.	Doce	BWS-118	Safe	Safe

### PCRWR TESTING: UNSAFE BRANDS

Sr. No	Brand Name	Code	Address/Manufacturer	Quality (Safe/Unsafe)	
				Chemical	Microbiological
1.	Pure Water	BWS-06	Al-Aziz Plaza, Marqaba Hall Road, Phase 7, Bahria Town, Islamabad.alozizpak@gmail.com	Unsafe	Safe
2.	Plus Piyaas	BWS-31	Mouza Zakira Samma Satta. Head Off: 59-A, Ghalla Mandi, Bahawalpur, Pakistan	Unsafe	Safe
3.	Elayn Plus	BWS-34	A Product Of Sajjid Food Industrey Shadab Colony (Hamaytian) Bahawalpur.	Safe	Unsafe
4.	3 Star	BWS-55	3 Star Premium Drinking Water Sukkar. CM/L-3395/2016 T.M:387941	Unsafe	Safe
5.	Douro	BWS-82	A Product of Douro International: Plot#C-14, Sultan Road, F.B Area Karachi 0314-3442577	Unsafe	Safe
6.	Real Plus	BWS-83	RC-12/140, Bohra Peer, Karachi. 0300-2424504 0311-9338409	Unsafe	Safe
7.	Crystal Maya	BWS-92	A Product of Asghar and Sons	Safe	Unsafe
8.	Aqua Saad	BWS-112	Plaza A2/15, Ground Floor Block-H, Commercial Valancia Town Lahore.	Safe	Unsafe
9.	Pure It	BWS-117	Ghausia Street, Sher Shan Road Off Raiwind Road Lahore	Unsafe	Safe



## MARKET CONSISTENCY IN TWO NEIGHBORING QUARTERS

Sr. No	Consistent Brands	New Brands	Unavailable Brands
1.	Nectar	Sea Pack	Nobel
2.	Fresh Life	Blue Spring Water	Re- Fine
3.	Aquafina	Hydr8	Aqua Hayat
4.	Dasani	Pure Water	Do Aab Water
5.	Murree Sparkletts	Aquantis	Aqua Ayolam
6.	Nestol	Springley	Popular Maza
7.	MEHR	Prime Water	Droplet
8.	Gourmet	Eden Pure Water	Safe Life
9.	Water Plus	SN Pure Drinking Water	ABS mineral
10.	Venora	Galaxy Pure Water	Al-Sahar
11.	Deosai	Zam	Every
12.	Sunley	Pure Light	I Pure
13.	Hydra	Pureau Water	Cool Aqua Cool
14.	Pure Next	New Deep	Berg
15.	Panee	National	Nurturmil Water
16.	Kinley	Plus Piyaas	Oxygen +
17.	Aqua Hygienic	Aquas	Deep Spring
18.	Marina	Elayn Plus	Elim
19.	Aab-e-Khyber	Water Well	Bio Crystal
20.	Nebraska	7 Blue	Aqua Platinum
21.	Top Up	Water Candy	Al-Safa
22.	Natural Aqwah	Shangrilla	Ever Best
23.	Aquatic Fresh	Pine'o	Glacial
24.	Wah Water	J.Smart Water	AMFAHH
25.	Aqua Splash	Fit Fat	De-Manzi
26.	Sky Blue	Viva	Rahat
27.	Jalandhar	OSLO	ZAMS Pure Drinking Water
28.	Aqua Crystal	Aqua Stream	Aqua One
29.	Douro	Aqua One	Aqua Super Life
30.	Yes	Mai Dubai	Shiraz
31.	Mag Life	Moya Mineral Water	One Life
32.	Jel	Pani	Water Plus
33.	Crystal Maya	Aqua Cool	Orion
34.	Aquench	D-Nova	
35.	Good Water	Aab-e-Noor	
36.	Klinz Water	New Aqua	
37.	Cristalene	Al-masafi	
38.	Jami Water	New Max	
39.	Doce	Livon	
40.	Pure Aqua	Real Plus	
41.	Falah	Safe Way	
42.		Pure18	
43.		Al-Habib	
44.		Defence	
45.		Vitella	
46.		Mogul	
47.		Splash Pure Water	
48.		My Sweet Water	
49.		Unique	
50.		My Smart Water	
51.		As Pure Water	
52.		Abaan Water	
53.		Aqua Das	
54.		Anhaar	
55.		Aqua Saad	



Sr. No	Consistent Brands	New Brands	Unavailable Brands
56.		Karakorum	
57.		Karakorum Flow	
58.		Pure It	
59.		NEO	

### DISEASE POTENTIAL FROM CONTAMINATED BOTTLED WATER

Sr. No	Contaminant	Diseases Impacts
1.	<b>Bacteriological Contamination</b>	Cholera, Diarrhea, Dysentery, Hepatitis, Typhoid
2.	<b>Arsenic</b>	Cancer (lungs, bladder, skin, prostate, kidney, nose and liver), diabetes kidney diseases, hypertension, heart diseases, birth defects, black foot diseases.
3.	<b>Fluoride</b>	Skeletal deformation and mottling of teeth
4.	<b>Sodium</b>	Hypertension

### CONCLUSIONS

Sr. No	Item	Conclusion	
		No.	% age
1.	<b>Total No. of Brands Collected</b>	<b>118</b>	<b>-</b>
2.	<b>Overall Safe Brands</b>	<b>109</b>	<b>92</b>
3.	<b>No. of Overall Unsafe Brands</b>	<b>09</b>	<b>08</b>
4.	<b>No. of Chemically Safe Brands</b>	<b>112</b>	<b>95</b>
5.	<b>No. of Chemically Unsafe Brands</b>	<b>06</b>	<b>05</b>
6.	<b>No. of Microbiologically Safe Brands</b>	<b>115</b>	<b>97</b>
7.	<b>No. of Microbiologically Unsafe Brands</b>	<b>03</b>	<b>03</b>
8.	<b>No. of Consistent Brands in Market</b>	<b>41</b>	<b>35</b>
9.	<b>No. of Brands Disappeared/Unavailable</b>	<b>33</b>	<b>28</b>
10.	<b>No. of New Brands</b>	<b>59</b>	<b>50</b>

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



Annexure-1

Chemical and Microbiological Quality of Bottled/Mineral Water Brands

Brand Name	Brand Code	Turbidity	pH	EC	TDS	Ca	Mg	Hard	HCO <sub>3</sub>	Cl	Na	F	Fe	K	NO <sub>3</sub>	SO <sub>4</sub>	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
Sea Pack	BWS-01	BDL	6.80	347	191	24	14.6	120	40	72	22	BDL	BDL	0.0	BDL	26	0.2	Negative	Negative
Blue Spring Water	BWS-02	BDL	7.06	355	195	28	12.2	120	100	48	28	BDL	BDL	0.4	BDL	19	BDL	Negative	Negative
Nectar	BWS-03	BDL	7.07	480	264	40	24.3	200	170	36	20	BDL	BDL	1.0	BDL	24	BDL	Negative	Negative
Hydr8	BWS-04	BDL	7.00	412	227	40	14.6	160	130	26	21	0.11	BDL	1.0	BDL	32	BDL	Negative	Negative
Fresh Life	BWS-05	BDL	7.10	375	206	40	12.2	150	150	14	17	0.19	BDL	1.6	BDL	21	BDL	Negative	Negative
Pure Water	BWS-06	BDL	6.95	558	307	36	14.6	150	215	25	60	0.28	BDL	7.7	BDL	30	0.3	Negative	Negative
Aquafina	BWS-07	BDL	7.06	213	117	0	14.6	60	20	26	20	BDL	BDL	1.2	BDL	41	BDL	Negative	Negative
Dasani	BWS-08	BDL	7.15	240	132	0	21.9	90	30	12	10	BDL	BDL	1.6	BDL	61	BDL	Negative	Negative
Murree Sparkletts	BWS-09	BDL	7.30	384	211	40	14.6	160	170	14	18	0.16	BDL	1.1	BDL	11	BDL	Negative	Negative
Nestol	BWS-10	BDL	7.14	243	134	16	2.4	50	80	20	34	0.31	BDL	0.4	BDL	8	BDL	Negative	Negative
Aquantis	BWS-11	BDL	7.03	421	229	24	29	180	200	20	23	0.45	BDL	1.7	BDL	11	BDL	Negative	Negative
Mehr	BWS-12	BDL	6.78	251	138	16	2.4	50	90	22	33	0.34	BDL	0.7	BDL	9	BDL	Negative	Negative
Gourmet	BWS-13	BDL	7.07	404	222	24	17.0	130	70	75	30	0.32	BDL	0.3	BDL	19	BDL	Negative	Negative
Springley	BWS-14	BDL	7.54	524	288	60	19	230	250	16	23	BDL	BDL	1.5	BDL	11	BDL	Negative	Negative
Prime Water	BWS-15	BDL	6.79	397	218	40	7.3	130	90	60	31	0.39	BDL	0.6	BDL	19	BDL	Negative	Negative
Water Plus	BWS-16	BDL		446	245	40	17.0	170	140	45	23	0.33	BDL	0.8	BDL	20	BDL	Negative	Negative
Venora	BWS-17	BDL	7.48	308	169	28	15	130	120	20	9	0.69	BDL	1.1	BDL	18	BDL	Negative	Negative
Deosai	BWS-18	BDL	6.65	366	201	28	17.0	140	80	55	23	0.31	BDL	0.3	BDL	25	BDL	Negative	Negative
Sunley Pure	BWS-19	BDL	7.60	409	225	32	24	180	200	20	24	0.56	BDL	0.7	BDL	19	BDL	Negative	Negative
Hydra	BWS-20	BDL	6.84	422	232	28	27	180	200	22	24	0.51	BDL	0.7	BDL	16	BDL	Negative	Negative
Eden Pure Water	BWS-21	BDL	6.94	382	210	28	12.2	120	45	60	30	0.17	BDL	0.4	BDL	50	BDL	Negative	Negative

The highlighted results indicate the concentration level beyond the PSQCA Bottled Water Standards.

July-September 2018

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Brand Name	Brand Code	Turbidity	pH	EC	TDS	Ca	Mg	Hard	HCO <sub>3</sub>	Cl	Na	F	Fe	K	NO <sub>3</sub>	SO <sub>4</sub>	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	-	-
SN Pure Drinking Water	BWS-22	BDL	7.47	296	163	40	0.0	100	30	60	18	BDL	BDL	1.3	BDL	25	10	Negative	Negative
Galaxy Pure Water	BWS-23	BDL	7.00	353	194	24	9.7	100	40	60	32	0.5	BDL	3.2	BDL	48	BDL	Negative	Negative
Zam	BWS-24	BDL	7.02	346	190	40	7.3	130	30	65	17	0.21	BDL	0.6	BDL	42	0.4	Negative	Negative
Pura Light	BWS-25	BDL	6.70	365	201	32	9.7	120	40	64	26	0.26	BDL	0.9	BDL	40	2	Negative	Negative
Pureau Water	BWS-26	BDL	7.44	330	182	24	2.4	70	90	20	42	0.23	BDL	3.7	BDL	41	6	Negative	Negative
New Deep	BWS-27	BDL	6.88	363	200	40	7.3	130	40	60	20	0.36	BDL	1.5	BDL	50	4	Negative	Negative
Dasani	BWS-28	BDL	7.09	273	150	0	26.7	110	30	12	10	0.12	BDL	0.6	BDL	80	BDL	Negative	Negative
National	BWS-29	BDL	6.86	310	171	40	3.6	115	30	45	17	0.31	BDL	0.6	BDL	57	0.2	Negative	Negative
Aquafina	BWS-30	BDL	6.98	210	116	0	9.7	40	40	32	28	0.22	BDL	2.1	BDL	20	BDL	Negative	Negative
Plus Piyaas	BWS-31	BDL	7.30	469	258	32	9.7	120	170	16	49	0.33	BDL	4.2	BDL	40	15	Negative	Negative
Pure Next	BWS-32	BDL	6.91	375	206	28	14.6	130	50	70	24	BDL	BDL	0.8	BDL	36	BDL	Negative	Negative
Kristil Aquas	BWS-33	BDL	7.48	409	225	40	9.7	140	50	96	26	0.18	BDL	1.9	BDL	19	1	Negative	Negative
Elayn Plus	BWS-34	BDL	7.16	431	237	40	4.9	120	80	65	40	0.38	BDL	1.2	BDL	33	3	05	Negative
Panee	BWS-35	BDL	7.00	421	232	40	9.7	140	85	60	28	0.27	BDL	1.9	BDL	30	BDL	Negative	Negative
Water Well	BWS-36	BDL	7.40	115	63	16	0.0	40	10	23	7	BDL	BDL	3.3	BDL	14	0.2	Negative	Negative
Nestle	BWS-37	BDL	7.20	362	199	44	7.3	140	45	75	18	0.35	BDL	0.8	BDL	30	0.5	Negative	Negative
7 Blue	BWS-38	BDL	6.83	270	149	20	7.3	80	60	40	26	0.24	BDL	1.0	BDL	22	2	Negative	Negative
Water Candy	BWS-39	BDL	6.60	340	187	12	12.2	80	90	50	40	0.1	BDL	1.3	BDL	15	0.3	Negative	Negative
Shangrilla Pure Water	BWS-40	BDL	6.76	278	153	16	14.6	100	40	54	20	BDL	BDL	2.2	BDL	28	0.3	Negative	Negative
Gourmet	BWS-41	BDL	7.37	414	228	40	12.2	150	50	80	24	0.13	BDL	0.7	BDL	35	BDL	Negative	Negative
Kinley	BWS-42	BDL	6.90	232	128	0	24.3	100	50	12	7	0.3	BDL	0.7	BDL	45	BDL	Negative	Negative
Pine'o	BWS-43	BDL	7.46	379	208	40	7.3	130	60	65	23	BDL	BDL	1.5	BDL	34	0.8	Negative	Negative
J.Smart Water	BWS-44	BDL	7.08	428	235	40	7.3	130	65	72	31	BDL	BDL	1.5	BDL	39	0.4	Negative	Negative
Nestle	BWS-45	BDL	6.98	400	220	40	12.2	150	50	82	18	BDL	BDL	0.0	BDL	26	BDL	Negative	Negative
Fit Fat	BWS-46	BDL	7.04	395	217	32	9.7	120	60	70	36	BDL	BDL	1.4	BDL	34	BDL	Negative	Negative
Viva	BWS-47	BDL	7.05	310	171	10	13.4	80	50	40	35	0.17	BDL	1.1	BDL	38	BDL	Negative	Negative

The highlighted results indicate the concentration level beyond the PSQCA Bottled Water Standards.

July-September 2018



PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Brand Name	Brand Code	Turbidity	pH	EC	TDS	Ca	Mg	Hard	HCO <sub>3</sub>	Cl	Na	F	Fe	K	NO <sub>3</sub>	SO <sub>4</sub>	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	-	-
OSLO	BWS-48	BDL	7.20	403	222	36	2.4	100	45	82	40	0.46	BDL	2.8	BDL	34	0.3	Negative	Negative
Aquafina	BWS-49	BDL	7.00	201	111	0	14.6	60	30	25	18	BDL	BDL	1.1	BDL	35	BDL	Negative	Negative
Aqua Stream	BWS-50	BDL	6.64	330	182	20	24.3	150	30	60	3	BDL	BDL	7.3	BDL	50	BDL	Negative	Negative
Aqua Hygienic	BWS-51	BDL	7.20	342	188	24	2.4	70	70	55	46	BDL	BDL	0.2	BDL	20	BDL	Negative	Negative
Aqua One	BWS-52	BDL	7.28	383	211	32	12.2	130	50	68	26	BDL	BDL	0.0	BDL	31	BDL	Negative	Negative
Jel	BWS-53	BDL	6.84	206	113	12	7.3	60	50	30	21	BDL	BDL	0.0	BDL	15	BDL	Negative	Negative
Nestle	BWS-54	BDL	7.20	416	229	40	13.4	155	50	86	20	BDL	BDL	0.0	BDL	33	0.3	Negative	Negative
3 Star	BWS-55	BDL	7.00	453	249	24	9.7	100	80	72	60	0.4	BDL	2.3	BDL	40	0.7	Negative	Negative
Mai Dubai	BWS-56	BDL	6.98	325	179	30	6.1	100	25	96	24	BDL	BDL	2.6	BDL	0	BDL	Negative	Negative
D-Nova	BWS-57	BDL	6.70	480	264	40	14.6	160	50	96	34	BDL	BDL	0.5	BDL	46	BDL	Negative	Negative
NEO	BWS-58	BDL	6.80	324	178	0	9.7	40	40	64	50	BDL	BDL	0.7	BDL	27	BDL	Negative	Negative
Aquafina	BWS-59	BDL	6.75	230	127	0	14.6	60	30	32	22	BDL	BDL	1.2	BDL	32	BDL	Negative	Negative
Marina	BWS-60	BDL	6.82	432	238	48	19.4	200	70	80	9	0.31	BDL		BDL	34	0.3	Negative	Negative
AB-e Khyber	BWS-61	BDL	6.72	468	257	40	19.4	180	74	82	16	0.37	BDL	10	BDL	35	0.2	Negative	Negative
Nebraska	BWS-62	BDL	7.27	491	270	44	24.3	210	70	100	18	0.31	BDL	0.6	BDL	28	0.2	Negative	Negative
Top Up	BWS-63	BDL	7.24	485	267	40	24.3	200	80	90	15	0.46	BDL	0.8	BDL	25	0.2	Negative	Negative
Natural Aqwah	BWS-64	BDL	7.31	373	205	40	12.2	150	60	80	15	0.2	BDL	0.3	BDL	12	BDL	Negative	Negative
Aquatic Fresh	BWS-65	BDL	7.52	629	346	40	41.3	270	190	60	20	BDL	BDL	2.3	BDL	40	BDL	Negative	Negative
Moya Mineral Water	BWS-66	BDL	7.09	321	177	40	4.9	120	110	24	17	0.23	BDL	1.4	BDL	18	BDL	Negative	Negative
Wah Water	BWS-67	BDL	6.80	382	210	40	12.2	150	60	72	16	0.13	BDL	0.3	BDL	13	0.2	Negative	Negative
Aqua Splash	BWS-68	BDL	7.03	291	160	40	4.9	120	55	50	12	BDL	BDL	0.7	BDL	16	0.2	Negative	Negative
Murree Sparkletts	BWS-69	BDL	7.34	358	197	40	12.2	150	140	17	15	BDL	BDL	1.0	BDL	14	BDL	Negative	Negative
Sky Blue	BWS-70	BDL	7.35	410	226	40	9.7	140	100	36	27	0.3	BDL	3.2	BDL	50	1	Negative	Negative
Jallundhar	BWS-71	BDL	7.18	380	209	40	7.3	130	70	50	26	0.33	BDL	0.4	BDL	35	0.8	Negative	Negative
Aqua Crystal	BWS-72	BDL	7.15	443	244	44	9.7	150	120	45	31	0.47	BDL	3.4	BDL	39	BDL	Negative	Negative
Pani	BWS-73	BDL	7.15	283	156	32	9.7	120	40	52	12	0.28	BDL	0.2	BDL	26	BDL	Negative	Negative
Falah	BWS-74	BDL	7.24	373	205	24	14.6	120	100	40	30	0.51	BDL	4.2	BDL	33	0.5	Negative	Negative

The highlighted results indicate the concentration level beyond the PSQCA Bottled Water Standards.

July-September 2018

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Brand Name	Brand Code	Turbidity	pH	EC	TDS	Ca	Mg	Hard	HCO <sub>3</sub>	Cl	Na	F	Fe	K	NO <sub>3</sub>	SO <sub>4</sub>	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 Cool	BWS-75	BDL	7.37	320	176	24	12.2	110	100	24	23	0.42	BDL	3.0	BDL	26	BDL	Negative	Negative
D-Nova	BWS-76	BDL	7.34	511	281	40	24.3	200	80	96	25	0.41	BDL	0.7	BDL	38	BDL	Negative	Negative
Aab-e-Noor	BWS-77	BDL	7.02	360	198	32	8.5	115	70	36	28	0.7	BDL	3.8	BDL	54	BDL	Negative	Negative
New Aqua	BWS-78	BDL	6.83	372	205	40	9.7	140	80	53	21	0.39	BDL	2.3	BDL	20	0.9	Negative	Negative
Al masafi	BWS-79	BDL	7.03	432	238	24	14.6	120	90	36	41	0.46	BDL	5.8	BDL	55	BDL	Negative	Negative
New Max	BWS-80	BDL	7.13	315	173	8	7.3	50	70	40	47	0.37	BDL	0.7	BDL	22	BDL	Negative	Negative
Livon	BWS-81	BDL	7.22	377	207	12	15	90	50	80	45	0.58	BDL	0.8	BDL	25	BDL	Negative	Negative
Douro	BWS-82	BDL	7.15	783	431	28	12.2	120	150	134	115	0.69	BDL	3.5	BDL	34	0.2	Negative	Negative
Real Plus	BWS-83	BDL	7.24	462	254	0	12.2	50	60	96	80	0.49	BDL	0.5	BDL	25	BDL	Negative	Negative
Yes	BWS-84	BDL	6.78	218	120	20	7.3	80	20	45	12	0.29	BDL	0.2	BDL	19	BDL	Negative	Negative
Safe Way	BWS-85	BDL	6.94	294	162	20	12.2	100	70	36	23	0.35	BDL	1.3	BDL	28	0.3	Negative	Negative
Mag Life	BWS-86	BDL	7.41	315	173	24	9.7	100	30	60	22	0.36	BDL	2.8	BDL	34	0.4	Negative	Negative
Pure 18	BWS-87	BDL	6.66	379	208	20	12.2	100	30	90	38	0.41	BDL	0.3	BDL	26	BDL	Negative	Negative
Al- Habib	BWS-88	BDL	7.41	445	245	20	14.6	110	90	54	45	0.69	BDL	2.5	BDL	40	BDL	Negative	Negative
Pure Aqua	BWS-89	BDL	7.26	486	267	24	24.3	160	50	96	35	0.51	BDL	0.7	BDL	40	BDL	Negative	Negative
Defence	BWS-90	BDL	7.40	558	307	30	30.4	200	80	120	30	0.39	BDL	3.0	BDL	10	BDL	Negative	Negative
Jel	BWS-91	BDL	6.98	216	119	20	7.3	80	20	36	12	0.31	BDL	0.2	BDL	24	0.2	Negative	Negative
Crystal Maya	BWS-92	BDL	7.01	300	165	40	4.9	120	40	72	8	0.27	BDL	0.4	BDL	0	BDL	28	Negative
Vitella	BWS-93	BDL	7.08	290	160	20	9.7	90	50	48	24	0.33	BDL	2.2	BDL	27	BDL	Negative	Negative
NEO	BWS-94	BDL	7.04	318	175	20	12.2	100	50	50	23	0.4	BDL	0.0	BDL	20	BDL	Negative	Negative
Aquench	BWS-95	BDL	7.07	408	224	20	12.2	100	30	84	40	0.49	BDL	0.9	BDL	32	BDL	Negative	Negative
MOGUL	BWS-96	BDL	7.48	328	180	20	14.6	110	50	48	22	0.31	BDL	0.0	BDL	38	BDL	Negative	Negative
Splash Pure Water	BWS-97	BDL	7.20	273	150	20	12.2	100	60	40	17	0.38	BDL	0.5	BDL	21	1	Negative	Negative
My Sweet Water	BWS-98	BDL	7.30	464	255	40	14.6	160	110	65	28	0.55	BDL	1.7	BDL	25	0.9	Negative	Negative
Unique	BWS-99	BDL	7.53	501	276	40	24.3	200	230	12	22	0.52	BDL	7.0	BDL	6	4	Negative	Negative
My Smart Water	BWS-100	BDL	7.51	250	138	32	9.7	120	70	22	4	0.49	BDL	3.0	BDL	22	0.8	Negative	Negative
AS Pure Water	BWS-101	BDL	7.14	338	186	28	14.6	130	60	60	16	0.33	BDL	0.8	BDL	21	1	Negative	Negative

The highlighted results indicate the concentration level beyond the PSQCA Bottled Water Standards.

July-September 2018

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Brand Name	Brand Code	Turbidity	pH	EC	TDS	Ca	Mg	Hard	HCO <sub>3</sub>	Cl	Na	F	Fe	K	NO <sub>3</sub>	SO <sub>4</sub>	As	* Microbiological Contaminants	
																		Total Coli forms 0/100ml	E-coli 0/100ml
<b>PSQCA Bottled Water Standards</b>	-	0.5	6.5 - 8.5	NGVS	500	100	50	NGVS	NGVS	250	50	0.7	0.3	10	10	250	10	-	-
<b>Detection Limits</b>	-	0.2	0.02	0.287	-	2	1	5	5	2	1	0.03	0.03	0.2	0.06	0.4	0.1	-	-
Abaan Water	BWS-102	BDL	7.25	353	194	20	17.0	120	70	45	25	0.31	BDL	0.5	BDL	39	BDL	Negative	Negative
Aquafina	BWS-103	BDL	7.31	231	127	BDL	22	90	40	24	16	0.40	BDL	0.9	2.4	49	BDL	Negative	Negative
Nestle	BWS-104	BDL	7.11	452	249	35	32	200	55	92	18	0.30	BDL	0.3	0.8	29	0.8	Negative	Negative
Dasani	BWS-105	BDL	7.08	260	143	BDL	24	100	20	10	11	0.50	BDL	0.4	BDL	81	BDL	Negative	Negative
Good Water	BWS-106	BDL	6.82	413	227	20	24	150	80	70	35	0.32	BDL	BDL	BDL	36	BDL	Negative	Negative
Aqua das	BWS-107	BDL	6.53	193	106	20	07	80	30	36	09	0.32	BDL	BDL	BDL	09	BDL	Negative	Negative
Klinz Water	BWS-108	BDL	6.78	317	174	20	10	90	50	60	10	0.45	BDL	0.2	BDL	31	BDL	Negative	Negative
Gourmet	BWS-109	BDL	7.01	411	226	40	12	150	75	72	25	0.32	BDL	BDL	BDL	29	BDL	Negative	Negative
Glacial	BWS-110	BDL	6.56	321	177	20	12	140	30	72	12	0.32	BDL	BDL	BDL	20	BDL	Negative	Negative
Anhaar	BWS-111	BDL	6.51	356	196	40	15	160	30	82	07	0.28	BDL	BDL	BDL	24	0.9	Negative	Negative
Aqua Saad	BWS-112	BDL	7.03	327	180	20	12	90	60	45	30	0.42	BDL	BDL	BDL	20	BDL	54	Negative
Karakorum	BWS-113	BDL	6.56	198	109	16	07	70	30	30	14	0.30	BDL	BDL	BDL	29	BDL	Negative	Negative
Cristalene	BWS-114	BDL	6.55	272	150	28	15	130	50	60	02	0.34	BDL	BDL	2.5	BDL	BDL	Negative	Negative
Jami Water	BWS-115	BDL	6.65	374	206	20	07	80	100	48	48	BDL	BDL	BDL	BDL	19	BDL	Negative	Negative
Karakorum Flow	BWS-116	BDL	6.94	251	138	20	07	80	45	36	21	0.08	BDL	BDL	BDL	37	BDL	Negative	Negative
Pure It	BWS-117	BDL	6.67	409	225	20	12	100	70	48	48	1.80	BDL	BDL	1.9	35	BDL	Negative	Negative
Doce	BWS-118	BDL	7.02	344	189	24	12	110	50	60	27	0.06	BDL	BDL	BDL	34	BDL	Negative	Negative

The highlighted results indicate the concentration level beyond the PSQCA Bottled Water Standards.

July-September 2018