



QUARTERLY REPORT BOTTLED WATER QUALITY

(January-March, 2016)



PAKISTAN COUNCIL OF RESEARCH IN WATER RESOURCES

Ministry of Science & Technology

Khyaban-e-johar, H-8/1, Islamabad.

www.pcrwr.gov.pk

January-March, 2016



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, 2016 following is the brief overview of the findings.

Quarterly Monitoring of Bottled/Mineral Water (January-March, 2016)

No. of Brands Collected	111
No. of Cities Targeted	15 (Islamabad, Rawalpindi, Lahore, TandoJam, Bahawalpur, Sargodha, Sialkot, Faisalabad, Sahiwal, Multan, Gujranwala, Karachi, Quetta, Muzaffarabad, and Peshawar).
No. of Overall Safe Brands	89
Overall Unsafe Brands	22 (ECO, Coral Water, HI-Fresh, New Nation, Pak Aqua, HFC, Total, NG Fresh Water, Al-Habib, Silver, ORION, Aqua Arabia, Well Care, Desert Dew, New Deep, Lite Aqua, Aqua Smart, Avalon Pure Water, New Smart Aqua, Mazan Pure, Royal Blue, Aqua National)
Chemically Safe Brands	92
Chemically Unsafe Brands	<p>Arsenic: 12 New Nation, HFC, Total, Well Care, Desert Dew, New Deep, Lite Aqua, Aqua Smart, New Smart Aqua, Mazan Pure, Royal Blue, Aqua National</p> <p>Sodium: 8 New Nation, Pak Aqua, NG Fresh Water, Al-Habib, Silver, ORION, Well Care, Avalon Pure Water</p> <p>Potassium: 1 Aqua Arabia</p>
Microbiologically Safe Brands	108
Microbiologically Unsafe Brands	03 (ECO, Coral Water, HI-Fresh)



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 water borne 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 at source of production 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	111	
No. of Cities Targeted	15 Islamabad, Rawalpindi, Peshawar, Lahore, Faisalabad, Sargodha, Bahawalpur, Sialkot, Sahiwal, Multan, TandoJam, Karachi, Quetta, Muzaffarabad and Gujranwala)	
Composition of Sampling Team	One Research Officer and Two Laboratory Assistants	
Sampling Procedure	Samples of One hundred and eleven commercially available brands of mineral/bottled water were collected from local market of fifteen 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, 2016. 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 QUARTERLY REPORT-BOTTLED WATER QUALITY



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
ECO	BWI-01	Sialkot	08/01/2016	-	0.6 Liter	Product of J & J Foods and Beverages Roras Road Naul Chowk, Sialkot, Pakistan	J & J Foods and Beverages, Roras Road Naul Chowk Sialkot, Pakistan. +92-52-6915600 info@jjfoods-bev.com
Rise Water	BWI-02	Sialkot	08/01/2016	-	0.6 Liter	Pure Foods Sialkot 3-km Kingra Road Sialkot	Pure Foods Sialkot 3-km Kingra Road Sialkot 052-4602580 052-4602581
Coral Water	BWI-03	Sialkot	08/01/2016	11/2016	0.6 Liter	Bottled By: Combine Brothers Traders Adda Khrana, Sialkot www.coralwater.com.pk	Bottled By: Combine Brothers Traders, Adda Khrana, Sialkot 0333-8606644 sales@coralwater.com www.coralwater.com.pk
Al-SHALAL	BWI-04	Sialkot	08/01/2016	12/2016	0.6 Liter	Bilal Sweets, Saddar Cantt, Sialkot	Bottled and Sourced at AZO Enterprises Seokay, 14-km Sialkot Aminabad Raod, Sialkot
JERS	BWI-05	Sialkot	08/01/2016	09/2016	0.6 Liter	Faisal Pan Shop, Shap pure Chowk, Sialkot	Manufactured by: Jers Traders. Opp. Bismillah CNG Gujranwala Road, Daska
Ice Berg	BWI-06	Sialkot	08/01/2016	01/2017	0.6 Liter	Premier Water Purifying Company, Dhabola Roras Road, Sialkot	Premier Water Purifying Company, Dhabola Roras Road, Sialkot 052-4009991/3511204 info@pwrc.com.pk
Ice Well	BWI-07	Sialkot	08/01/2016	-	0.5 Liter	Faisal Pan Shop, Shah pura Chowk, Sialkot	Bottled by: Quaint Beverages Industries, Baghwal Awan, P.O. .Khas, Sialkot +92-52-3510709 Quaint.beverages@att.net
Bake Master	BWI-08	Sialkot	11/01/2016	10/2016	0.6 Liter	Base Master Store Rangpura Chowk, Sialkot	0342-6661666 0333-8656666
Vina	BWI-09	Sialkot	08/01/2016	-	0.6 Liter	Al-Sultan Beverages industries: Chaprar Road Gul Bahar Kalan Sialkot	Al-Sultan Beverages industries: Chaprar Road, Gul Bahar Kalan, Sialkot 052-300152 info@vinabeverages.com
Hi-Fresh	BWI-10	Sargodha	11/01/2016	-	0.6 Liter	Ramzan Drink Corner, Noori Adda, Sargodha	NBFC Pakistan: Madina Farms, 84 N-B, Sargodha www.hi-freshwater.com
MurreeSparkl etts	BWI-11	Sargodha	11/01/2016	01/2017	0.5 Liter	Aziz General Store, Goad Chowk, Sargodha	Murree Sparkl etts: Plot#10/2, Phase III Industrial Estate Hattar, Sargodha
INFINITY	BWI-12	Sargodha	11/01/2016	09/2016	0.5 Liter	Hanif Pan Shop, Railway Station, Sargodha	Musaffa Drop (Pvt) Ltd: Japan Road, Sihala Khurd Islamabad 051-4486631
Blu	BWI-13	Sargodha	11/01/2016	11/2016	0.6 Liter	Sangam Cold Corner, 47-Pull, Sargodha	Al-Hilal Industries (Pvt)Ltd. Sultan Nagar Vehari Road Multan
Khush Aab	BWI-14	Sargodha	11/01/2016	-	0.6 Liter	Bismillah General Store, 47-Adda, Sargodha	A project of University of Sargodha www.khushaab.com

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address
New Nation	BWI-15	Faisalabad	08/01/2016	12/2016	0.6 Liter	Raja Hotel GTS Chowk, Faisalabad	Bottled by: Ramez Enterprises: 9-KM, GT Road, Rachna Town, Shahdara Lahore 0300-0426141
Splash	BWI-16	Faisalabad	08/01/2016	-	0.5 Liter	Allied Hospital Canteen Shop Faisalabad	Source and bottled at: Splash Water 18-km Sheikhpura Road Faisalabad 041-2423677
Zim	BWI-17	Faisalabad	08/01/2016	06/2016	0.5 Liter	Anwar Char Pan Shop, Shadman Road Faisalabad	Zimindar Group of Industries New Punjab Flour Mills G.T Road Ferozwala, Shahdara, Lahore 042-37304631
Fresh Natural	BWI-18	Faisalabad	08/01/2016	-	0.6 Liter	Baoji Pan Shop Main Bazar Mansoorabad Faisalabad	Sourced and bottled at: 0321-6607238
Super Natural	BWI-19	Faisalabad	08/01/2016	-	0.6 Liter	Kohistan Bus Stand GTS Chowk Faisalabad	Well-O (Pvt.)Ltd. P-958, St#12 Muhammadabad Faisalabad
Aqua Splash	BWI-20	Peshawar	12/01/2016	01/2017	0.6 Liter	Euro International) 192-A, Industrial Estate Hayatabad, Peshawar	Euro International) 192-A, Industrial Estate Hayatabad, Peshawar +92-91-5701600
Aquatic Fresh	BWI-21	Peshawar	12/01/2016	10/2016	0.6 Liter	Royal Food Industries Plot-1/C Industrial Estate Jamrud Road Peshawar	Royal Food Industries Plot-1/C Industrial Estate Jamrud Road Peshawar +92-91-5891278 Royalfoods619@yahoo.com
NEBRASAKA	BWI-22	Peshawar	12/01/2016	08/2016	0.6 Liter	Bottled at Dew Point Healthcare Water Purification and Processing Facility :12-C Industrial Estate Hayatabad, Peshawar	Bottled at Dew Point Healthcare Water Purification and Processing Facility: 12-C Industrial Estate Hayatabad, Peshawar
Natural Aqwah	BWI-23	Peshawar	12/01/2016	-	0.6 Liter	RG Enterprises: Plot# 141-7, Industrial Estate Hayatabad Peshawar Web: www.aqwah.com	RG Enterprises: Plot#141-7, Industrial Estate Hayatabad Peshawar Web: www.aqwah.com
Moya Mineral Water	BWI-24	Peshawar	12/01/2016	12/2017	1.5 Liter	Al-Saudia Enterprises 580/B Main Gulberg Peshawar Cantt	Processed by: Al-Saudia Enterprises 580/B Main Gulberg Peshawar Cantt.
Pak Aqua	BWI-25	Gujranwala	13/01/2016	-	0.6 Liter	Dilshad Cold Corner Gujranwala 0322-5598551	Product By: Bilal Enterprises, Ajmal town noshra Sansi Gujranwala
AS Pure Life	BWI-26	Gujranwala	13/01/2016	-	0.5 Liter	Dilshad Cold Corner Gujranwala 0322-5598551	Bottled by: HQH Food Company Sialkot Road Nandi Pur Gujranwala www.3-b.com
Bright Water	BWI-27	Gujranwala	13/01/2016	-	0.6 Liter	M. Medical, 35 Km G.T Road Gujranwala	Sponsored by: Brothers Enterprises 35 Km G.T Road Gujranwala

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Unique Water	BWI-28	Gujranwala	13/01/2016	11/2016	0.6 Liter	Ramzan Tea Stall Gujranwala 0324-5403080	Unique Water Treatment System: Food Street Kacha Darwaza near masjid shah Sahib Wali Gujranwala
HFC	BWI-29	Gujranwala	13/01/2016	-	1.5 Liter	Qadir Cold Corner Gujranwala	Unique Water Treatment System: Food Street Kacha Darwaza near masjid shah Sahib Wali Gujranwala. 055-4212396-97
Total	BWI-30	Gujranwala	13/01/2016	09/2016	1.5 Liter	Qadir Cold Corner Gujranwala	Total_water@yahoo.com
Noble	BWI-31	TandoJam	20/01/2016	12/2016	0.6 Liter	Bottled by: Pak Natural Co. Lahore Tower Market Hakeem Habib Road Hyderabad	Bottled by: Pak Natural Co. Lahore Tower Market Hakeem Habib Road Hyderabad
AFRA	BWI-32	TandoJam	20/01/2016	12/2017	0.6 Liter	Bottled by: Pak Natural Co. Lahore Tower Market Hakeem Habib Road Hyderabad	Bottled by: Pak Natural Co. Lahore Tower Market Hakeem Habib Road Hyderabad
Pearl	BWI-33	TandoJam	20/01/2016	11/2016	0.6 Liter	144/6, Km Near Toll plaza Super Highway Jamshoro. E-mail: pearlwater@gmail.com	144/6, Km Near Toll plaza Super Highway Jamshoro. E-mail: pearlwater@gmail.com
NG Fresh Water	BWI-34	TandoJam	20/01/2016	-	0.6 Liter	Station Road TandoJam	Nadir Hasan Hyderabad Pakistan. E-mail: jam_nasir11@yahoo.com 0313-2105390
Pak Life	BWI-35	TandoJam	20/01/2016	12/2017	0.6 Liter	Bottled by: Pak Natural Co. Lahore Tower Market Hakeem Habib Road Hyderabad	Bottled by: Pak Natural Co. Lahore Tower Market Hakeem Habib Road Hyderabad
OSIO	BWI-36	TandoJam	20/01/2016	12/2016	0.6 Liter	Bismillah Bakery, Workshop, TandoJam	OSIO International: 14-Ramzan chamber Dr. Billmorla Street # off 1.1 Chandigarh road Karachi
NN Water	BWI-37	Bahawalpur	21/01/2016	09/2016	0.6 Liter	New Shan Sweet and Bakers Railway Station, Bahawalpur	A Project of South Punjab Guaranteed Purity and Great Taste For Life NN-Premium water factory Khanewal. E-mail: nnpwater@hotmail.com 065-2554390
KINLEY	BWI-38	Bahawalpur	21/01/2016	08/2016	0.5 Liter	New Shan Sweet and Bakers Railway Station, Bahawalpur	Coca Cola Beverages Pakistan Ltd S-E, 2 Gulberg 3 Lahore
Pine'o	BWI-39	Bahawalpur	21/01/2016	10/2016	1.5 Liter	Usman Pharmacy near City Hotel Model Town C Bahawalpur	Under Licence Gysing Pak PSIE, Bahawalpur. gysing@live.com

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New Everest	BWI-40	Bahawalpur	21/01/2016	08/2016	1.5 Liter	Usman Pharmacy near City Hotel Model Town C Bahawalpur	Faisal Beverages (Pvt) Ltd. Office: Marghazar Colony Lahore E-mail: fbpakistan@yahoo.com
Piyaas	BWI-41	Bahawalpur	21/01/2016	06/2017	0.6 Liter	Time Pharmacy Model Town C Chowk Bahawalpur	Arshad Industries: Mouza Zakria, Samma Satta 59-A, Ghala Mandi Bahawalpur
Sunlay	BWI-42	Karachi	20/01/2016	12/2017	0.6 Liter	Abdul Sattar General Store. Gulistan-e-Johar Block 02 Karachi	27/1 Nazimabad No.1 Karachi www.igrafinu.com
Blu Plus	BWI-43	Karachi	20/01/2016	-	0.6 Liter	Masharrah General Store Gulistan-e-Johar Block 02 Karachi	Q.N Traders Site Karachi
Al-Sahar	BWI-44	Karachi	20/01/2016	11/2016	0.6 Liter	Malik Store Gulistan-e-Johar Block 02 Karachi	Al-Safrrat International plot # C-68, Site Super Highway Industrial Area, Karachi.
Zindagi	BWI-45	Karachi	20/01/2016	-	0.6 Liter	VIP Super Store in Johar complex, Gulistan-e-Johar Karachi	Zindagi International, Karachi Phone: 021-35432033
Marbella	BWI-46	Karachi	20/01/2016	-	0.6 Liter	VIP Model Store in Johar complex, Gulistan-e-Johar Karachi	Marbella Enterprises, Cell: 0332-2633744, Tel: 021-32016136
Crystal Maya	BWI-47	Karachi	20/01/2016	-	0.6 Liter	Al-Madina Bakery and Store in Johar Complex, Gulistan-e-Johar Karachi	Bottled By: Tilon Global, Office: B-221,226 Hub Baluchistan
Simply Pure	BWI-48	Karachi	20/01/2016	12/2016	0.6 Liter	Ezervieas. Drink and ice cream shop Kala board Malir Karachi	A Product of M. R Industries Head office: B.1 Block, 20 F-B Area Karachi
Al-Habib	BWI-49	Karachi	20/01/2016	12/2016	0.6 Liter	General Store Shah Latif B – Sector. Bin Qasim Karachi	E-10 Al-Azam Square FB Area, Block 1, Karachi 0333-2161166 email: al-habib@cyber.net.pk
Livon	BWI-50	Karachi	21/01/2016	-	0.6 Liter	Viqei General Store main road university road Karachi	HANS Traders
Aqua Water	BWI-51	Karachi	21/01/2016	-	0.6 Liter	Bismillah General Store, Johar More Karachi	24/7,0333-3935728 web: www.aquawaterfresh.com
Silver	BWI-52	Karachi	21/01/2016	-	0.6 Liter	Diamond Super Store, Johar more Karachi	A Product of M. R Industries Head office: B.1 Block, 20 F-B Area Karachi 0346-8203201
Vinh	BWI-53	Karachi	21/01/2016	12/2017	0.6 Liter	Mashallah General Store Johar more Gulistan-e-Johar Karachi	A Product of AJ Pearl: Bankers Lodge Block J North Nazimabad Karachi info@vinhdrinkingwater.com

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Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address
ORION	BWI-54	Karachi	21/01/2016	12/2017	0.6 Liter	Links Style and Gift Shop, Drigh Road Karachi	Orion Foods: Site E.1 suite no.2, Defence view, Phase 2, Karachi 021-35310631-2 orionproducts@gmail.com
DAM	BWI-55	Karachi	21/01/2016	-	0.6 Liter	Al-Darvesh General Store, Drigh Road Karachi	Manufacturer DAM Waters:47/1 Siddiqabad Model Colony, Karachi
Aaab-e-Sehat	BWI-56	Karachi	21/01/2016	12/2016	0.6 Liter	Malik Khan General Store, Shah Faisal (Natha Goth) Karachi	Bottled By: Rafique Raza& Brothers S.I.T.E Karachi 0313-3042000
Aqua Arabia	BWI-57	Karachi	21/01/2016	06/2016	0.6 Liter	Malik Khan General Store, Shah Faisal (Natha Goth) Karachi	Manufactured By Zahid Oriental Corporation T.M # 385840 DP-31/1 Sector-6-B Sabah Chorangi Ayub Goth Road North Karachi Industrial Area Phone No.021- 6999449
Batina Pure	BWI-58	Karachi	21/01/2016	12/2016	0.6 Liter	Gul Khan General Store, Shah Faisal (Natha Goth) Karachi	Bottled By Al-Batina Bottlers Main R.C.D Road Hub, Baluchistan
Al-Masafi	BWI-59	Karachi	21/01/2016	-	0.6 Liter	Swabi General Store, Shah Faisal, Natha Khan Karachi	Al-Massafi Foods Plot no: S-3, S-4 Malir City Karachi 021-35422822
Valley	BWI-60	Islamabad	28/01/2016	12/2016	1.5 Liter	Plot # 277, St.1, I-9/3 Industrial Area Islamabad	Plot # 277, St.1, I-9/3 Industrial Area Islamabad
Onega	BWI-61	Islamabad	28/01/2016	-	1.5 Liter	TZK Enterprises Plot # 195, Street # 2, I-9/3, Islamabad	TZK Enterprises Plot # 195, Street # 2, I-9/3, Islamabad
Deep Spring	BWI-62	Islamabad	28/01/2016	-	1.5 Liter	A Product of BNK(Pvt.)Ltd. Plot # 226, Street # 7, Sector I-9/2, Industrial Area Islamabad	A Product of BNK(Pvt)Ltd .Plot # 226, Street # 7, Sector I-9/2, Industrial Area Islamabad
Water Plus	BWI-63	Islamabad	28/01/2016	09/2016	0.5 Liter	Office: plot # 235, Street # 6, I-9/2, Industrial Area Islamabad www.waterplus.com.pk	Office: plot # 235, Street # 6, I-9/2, Industrial Area Islamabad www.waterplus.com.pk
Venora	BWI-64	Islamabad	28/01/2016	-	1.5 Liter	Plot # 238, I-9/3 Islamabad	Plot # 238, I-9/3 Islamabad
Deosai	BWI-65	Islamabad	28/01/2016	01/2017	1.5 Liter	Margalla Food and Beverages: Plot # 32, Khayaban-e-Johar, Industrial Area, I-9/2, Islamabad	Margalla Food and Beverages: Plot # 32, Khayaban-e-Johar, Industrial Area, I-9/2, Islamabad
Hydra	BWI-66	Islamabad	28/01/2016	-	1.5 Liter	Pakistan PVC limited: Plot # 31-A, Sector I-9, Industrial Area Islamabad	Bottled By Pakistan PVC limited: Plot # 31-A, Sector I-9, Industrial Area Islamabad
Nectar	BWI-67	Islamabad	29/01/2016	-	1.5 Liter	Islamabad Express near Paradise Complex, Kuri Road Islamabad	Islamabad Express near Paradise Complex, Kuri Road Islamabad
White Gold	BWI-68	Islamabad	02/02/2016	12/2016	0.6 Liter	Global Enterprises: Office 9, 2 nd floor Lord Trade Centre F-11 Markaz Islamabad	Global Enterprises: Office 9, 2 nd floor Lord Trade Centre F-11 Markaz Islamabad

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Mehr	BWI-69	Islamabad	08/02/2016	12/2016	0.5 Liter	Bottled By: Pir Mehr Ali Shah Arid Agriculture University Rawalpindi	Bottled By: pir Mehr Ali Shah Arid Agriculture University Rawalpindi
Fresh Life	BWI-70	Islamabad	08/02/2016	12/2016	1.5 Liter	T&S Enterprises office No.1 main hall road pindora road main khana Dak Islamabad	T&S Enterprises office No.1 main hall road pin doraroad main khana Dak Islamabad
Aqua Classic	BWI-71	Quetta	21/01/2016	12/2016	1.5 Liter	New Samad Medical Store, Jinnah Road Quetta	S.A Enterprises: Browri Road Quetta
Aqua Hygenic	BWI-72	Quetta	19/01/2016	01/2017	1.5 Liter	Abbas General Store, Shahbaz Town Quetta	Marketed By Zauhras Plot # 02, Street # 12, Faisal Town Brewery Road Quetta
Drop Ice	BWI-73	Quetta	21/01/2016	-	1.5 Liter	Shahid General Store, SurajGanj Bazar Quetta	Bottled by: House of S & G Email: dropicewater@gmail.com
Nestle	BWI-74	Quetta	19/01/2016	04/2017	1.5 Liter	Abbas General Store, Shahbaz Town Quetta	Bottled By Nestle Pakistan Ltd. 308, Upper Mall Lahore Bottled by Nestle Pakistan Ltd.
Well Care	BWI-75	Multan	29/01/2016	-	0.5 Liter	Fatima Medical Store, Nishtar Road Multan	Manufactured by: Well care International (Pvt.) Ltd., wellcare1222@gmail.com 061-6353126
Reel Water	BWI-76	Multan	28/01/2016	-	1.5 Liter	Kausar Medicine Company, Nishtar Road Multan,	Al-Badee Foods Intl Head office: 23-T, Adeel Arcade, Gulshan Market New Multan
Pura Light	BWI-77	Multan	29/01/2016	01/2017	0.5 Liter	Raheem Vaccine Centre, Nishtar Road Multan,	Batch # P-0013, Manufactured by Pura Co.
Aqua 7	BWI-78	Multan	29/01/2016	12/2016	0.6 Liter	Souk Super Store, Bosan Road Multan,	Processed bottled By: Pulse International (water company) 4, H.T.E.Z, old Budla Road Multan
Aabe-e-Sehar	BWI-79	Multan	27/01/2016	08/2016	0.6 Liter	New Khan Tuck shop, General Bus Stand Multan,	A Product of Karman walay www.karmanwalay.com
Desert Dew	BWI-80	Multan	28/01/2016	-	0.6 Liter	Kausar Medicine Company, Nishtar Road Multan,	Bottled by: Maxwell International, Wada Bagh beside shakhi sultan Dabar, surajmiani road, Multan 061-4780025-26 amakhn@hotmail.com
New Deep	BWI-81	Multan	28/01/2016	-	0.5 Liter	APV Tuck shop, APV Stand General Bus Stand, Multan,	Bottled by: S.B Food & Beverages, Zakariya Town Bosan Road Multan +92-334-6064643
New Classic	BWI-82	Multan	29/01/2016	-	0.6 Liter	Malik Medical Store, Chungi # 09, Multan,	Bottled By: Classic Consumables, plot no. 74-B, Industrial Estate phase-II, Multan

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Lite Aqua	BWI-83	Multan	27/01/2016	03/2016	0.6 Liter	Raza Tuck shop, General Bus Stand, Multan,	Lite Aqualntr, Bahawalpur, Road Multan
Aqua Smart	BWI-84	Sahiwal	10/02/2016	-	0.6 Liter	Product by: Zain International Canal View Colony Chichawatni,	Product by: Zain International Canal View Colony Chichawatni. 0344-5550180 0312-6905531
Avalon Pure Water	BWI-85	Sahiwal	10/02/2016	12/2016	0.6 Liter	Mehboob Alam, 03005262180	Smart products:19-Km, Multan Road Lahore 0423-5971577 www.smartproducts.com.pk info@smartproducts.com.pk
Freshely	BWI-86	Sahiwal	10/02/2016	02/2017	0.6 Liter	Mr. Meer CA-one Pan Shop Jogi Chowk Sahiwal,	Madina Water Boiling Plant: Factory Arifwala Road Bahawalnagar
Ziran	BWI-87	Sahiwal	10/02/2016	-	0.5 Liter	Ahmed Medical Store Sahiwal	Ziran Water (Pvt) Ltd. 1 km Off Multan Road Defence Road Lahore www.ziran.com.pk
New Smart Aqua	BWI-88	Sahiwal	10/02/2016	01/2017	0.5 Liter	Malik Zahid Malik Tuck shop, Faisal Movers Sahiwal,	AB Brothers: Pakpattan bypass road, Sahiwal www.newsmartaqua.com
Minter	BWI-89	Sahiwal	10/02/2016	12/2016	0.6 Liter	Mr. Abdullah Bhatti General Store Pak pattan Chowk,	Manufactured by Petals Food (A total Water Management Company) office & factory 561/BU11, Police line Road Sahiwal
Aftab Qarshi	BWI-90	Lahore	08/02/2016	11/2017	0.5 Liter	Alkhair Sweets & Bakers Sher Shah Road Lahore,	A Product of Aftab Qarshi Herbal Laboratories Mazamil town, 20 km Multan Road, chong, Lahore. 042-37514175-6 www.aftabqarshi.com
Aiza	BWI-91	Lahore	08/02/2016	-	0.5 Liter	Alkhair Sweets & Bakers SherShah Road Lahore,	Aiza Foods Industry; 133-D, PCSIR Near Ameer Chowk, Lahore
Pak Natural	BWI-92	Lahore	08/02/2016	10/2016	0.6 Liter	Ghazi Departmental Store Sher Shah Road Lahore,	564-Q Phase-II, M.A Johar town, Lahore 042-35313438 0312-4618619
Pure it	BWI-93	Lahore	08/02/2016	02/2017	1.5 Liter	Ghazi Departmental Store Sher Shah Road Lahore,	Email: info@pureitwater.pk www.pureitpk.com
Cool Pure	BWI-94	Lahore	08/02/2016	12/2016	0.6 Liter	Ahmad Pan Shop Chowk Shuakat Khanam Khayban-e -Jinnah, Lahore.	M.T Mineral Water Co. B-7 Marghazar Housing Society Lahore 042-37499467
Aquagen	BWI-95	Lahore	08/02/2016	-	0.6 Liter	Ahmad Pan Shop Chowk Shuakat Khanam Khayban-e -Jinnah, Lahore.	A Product of Aqua Gen Services Water Treatment Company : 36-Civic Centre, Liaqat Chowk Sabzazaar Scheme, Lahore 042-37831365 www.aquagen.net.pk

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address
Doce	BWI-96	Lahore	08/02/2016	01/2017	0.6 Liter	Doce, Shuakat Khanam, Lahore.	48-M, Quaid-e-Azam Industrial State, Kot Lakhpat, Lahore www.doce.pk 042-35555555
Jami Water	BWI-97	Lahore	08/02/2016	02/2017	1.5 Liter	Aslam Pervaiz Jami Water Opposite Al-Jannat Shadi Hall Khokhar Chowk College Road, Lahore,	A Product of Jami Water Services: Khokhar Chowk, College Road, Township, Lahore 042-35511699
Aab-e-Khoob	BWI-98	Lahore	08/02/2016	08/2016	0.5 Liter	Aab-e-Khoob, Plot # 9-17, B-1 College Road Lahore,	Aab-e-Khoob Plot # 9-17-B 1, College road, near Akbar Chowk, Township, Lahore 042-35214240
Butt Water	BWI-99	Lahore	09/02/2016	01/2017	0.5 Liter	Butt Sweets & Bakers 21Km Ferozpur Road Lahore,	Manufactured By: Butt Sweets Bakers www.buttsweets.com 11-1947-222
Krisko Water	BWI-100	Lahore	09/02/2016	08/2016	0.5 Liter	Krisko Bakers Khana Ferozpur Road Lahore,	Bottled Sourced at: 10-Km Defense Road Lahore www.krisko.com.pk 0321-2888877
Pacific Pure	BWI-101	Lahore	09/02/2016	02/2017	0.6 Liter	Akram Khan Brothers & Pan Shop New Khana Ferozpur Road Lahore,	Bottled by: Pacific Water Engineer G.T Road Lahore 042-36859992
Mazan Pure	BWI-102	Lahore	09/02/2016	-	1.5 Liter	Akram Khan Brothers & Pan Shop New Khana Ferozpur Road Lahore,	Maza Fresh Foods Jaa-At Licence No.D-0.2-1836
Royal Blue	BWI-103	Lahore	09/02/2016	-	0.6 Liter	Doctor Pharmacy Near General Hospital Ferozpur Road Lahore,	IRIS Foods (Pvt) Ltd. 424-A, Tajpura LDA Scheme, Lahore
Effort	BWI-104	Lahore	09/02/2016	-	1.5 Liter	Punjab Medical Store Near General Hospital Ferozpur Road Lahore,	Bottled by: Effort Corporation, 83-A, Shadman II, Lahore Pakistan effort_corp@gmail.com
Fresh way	BWI-105	Lahore	09/02/2016	01/2017	0.6 Liter	AAA Medical Store near Gulabderi Hospital Ferozpur Road Lahore,	Bottled By Aqualine Food Industries: 364 Main Peco Road Pindi Stop Kot Lakhpat Lahore 042-35943432
Aqua Safe	BWI-106	Lahore	09/02/2016	11/2016	0.5 Liter	Zimindar Pan Shop Opposite Railway Station Lahore,	Bottled by: Aqua Safe Pakistan (Pvt) Ltd, 96-Mclead Road Lahore, Pakistan 042-37222335
Aqua National	BWI-107	Lahore	09/02/2016	12/2016	0.6 Liter	Mohsin Cold Corner Lari Adda Near Madina Chowk Lahore,	Bottled by: MILLI Brothers, 8-Km, G.T Road, Shahdara Lahore 0333-4547000 0313-6756000

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Brand Name	PCRWR Code	City	Date of Collection	Date of Expiry	Size	Name & Address of Seller/Shop Keeper	Manufacturer's Address
Gourmet	BWI-108	Lahore	11/02/2016	07/2016	0.5 Liter	Gourmet Bakers Railway Plaza Balti Chowk Allamal qbal Road Gari Shahoo Lahore,	Gourmet Foods: Gate#1, Plot 1-5, Sunder Industrial Estate, Raiwind Sunder Road Lahore, Pakistan
Aquafina	BWI-109	Lahore	11/02/2016	01/2017	0.5 Liter	Makki Madina Medical Store Opposite Service Hospital Jail Road Lahore,	Purified & filled by Riaz Brothers (Pvt) Ltd, 32-N, Gulberg-II, Lahore
Mashmoom Aqua	BWI-110	Lahore	11/02/2016	01/2017	1.5 Liter	Hamza Medical Store Under Pass Service Hospital Jail Road Lahore,	Mashmoom (Pvt) Ltd, Plot # 154/3, 154/4, Phase-V, Industrial Estate, Hattar, District Haripur, K-P-K Pakistan
YAS	BWI-111	Muzaffarabad	12/02/16	11/2016	0.5 Liter	Mohsin Naqvi, YAS Pure Water, Near Neelum Flour Mill, Muzaffarabad	Kashmir Natural Resources (Pvt) Ltd. Muzaffarabad. www.neelum.pk 05822-445448

WATER QUALITY PARAMETERS AND METHODS USED FOR ANALYSIS

Sr. #	PARAMETERS	ANALYTICAL METHOD
1.	Alkalinity (mg/l as CaCO ₃)	2320, Standard method (2005) APHA
2.	Arsenic (ppb)	AAS Vario 6, Analytik Jena AG
3.	Bicarbonate	2320, Standard method (2005) APHA
4.	Calcium (mg/l)	3500-Ca-D, Standard Method (2005) APHA
5.	Carbonate (mg/l)	2320, Standard method (2005)
6.	Chloride (mg/l)	Titration (Silver Nitrate), Standard Method (2005) 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 (2005) APHA
10.	Magnesium (mg/l)	2340-C, Standard Method (2005) 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 (2005) 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 (2005) APHA
24.	E. Coli (MPN/100ml)	9221-B,C&D, Standard Methods (2005) APHA

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



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.	Colour	(TCU)	15	NGVS	5
7.	Conductivity	(µS/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

Arsenic: Safe Limit : 10 parts per billion (ppb)					
Sr. No	Brand Name	Code	City of Manufacturing	Unit	Results
1.	New Nation	BWI-15	Lahore	ppb	18
2.	HFC	BWI-29	Gujranwala.	ppb	13
3.	Total	BWI-30	-	ppb	12
4.	Well Care	BWI-75	Multan	ppb	22
5.	Desert Dew	BWI-80	Multan	ppb	85
6.	New Deep	BWI-81	Multan	ppb	12
7.	Lite Aqua	BWI-83	Multan	ppb	28
8.	Aqua Smart	BWI-84	Chichawatni. Sahiwal	ppb	27
9.	New Smart Aqua	BWI-88	Sahiwal	ppb	31
10.	Mazan Pure	BWI-102	-	ppb	12
11.	Royal Blue	BWI-103	Lahore	ppb	12
12.	Aqua National	BWI-107	Lahore	ppb	52

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Sodium: Safe Limit : 50 parts per million (ppm)					
Sr. No	Brand Name	Code	City of Manufacturing	Unit	Results
1.	New Nation	BWI-15	Lahore	ppm	62
2.	Pak Aqua	BWI-25	Gujranwala	ppm	61
3.	NG Fresh Water	BWI-34	Hyderabad.	ppm	85
4.	Al-Habib	BWI-49	Karachi	ppm	62
5.	Silver	BWI-52	Karachi	ppm	70
6.	ORION	BWI-54	Karachi	ppm	68
7.	Well Care	BWI-75	Multan	ppm	130
8.	Avalon Pure Water	BWI-85	Lahore	ppm	74

Potassium : Safe Limit : 10 parts per million (ppm)					
Sr. No	Brand Name	Code	City of Manufacturing	Unit	Results
1.	Aqua Arabia	BWI-57	Karachi	ppm	22

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.	ECO	BWI-01	2	Nil
2.	Coral Water	BWI-03	10	Nil
3.	HI-Fresh	BWI-10	2	Nil

PCRWR TESTING: SAFE BRANDS

Sr. No	Brand Name	Code	Quality (Safe/Unsafe)	
			Chemical	Microbiological
1.	Rise Water	BWI-02	Safe	Safe
2.	Al-SHALAL	BWI-04	Safe	Safe
3.	JERS	BWI-05	Safe	Safe
4.	Ice Berg	BWI-06	Safe	Safe
5.	Ice Well	BWI-07	Safe	Safe
6.	Bake Master	BWI-08	Safe	Safe
7.	Vina	BWI-09	Safe	Safe
8.	Murree Sparkletts	BWI-11	Safe	Safe
9.	INFINITY	BWI-12	Safe	Safe
10.	Blu	BWI-13	Safe	Safe
11.	Khush Aab	BWI-14	Safe	Safe
12.	Splash	BWI-16	Safe	Safe
13.	Zim	BWI-17	Safe	Safe
14.	Fresh Natural	BWI-18	Safe	Safe
15.	Super Natural	BWI-19	Safe	Safe
16.	Aqua Splash	BWI-20	Safe	Safe
17.	Aquatic Fresh	BWI-21	Safe	Safe
18.	NEBRASAKA	BWI-22	Safe	Safe
19.	Natural Aqwah	BWI-23	Safe	Safe

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Sr. No	Brand Name	Code	Quality (Safe/Unsafe)	
			Chemical	Microbiological
20.	Moya Mineral Water	BWI-24	Safe	Safe
21.	AS Pure Life	BWI-26	Safe	Safe
22.	Bright Water	BWI-27	Safe	Safe
23.	Unique Water	BWI-28	Safe	Safe
24.	Noble	BWI-31	Safe	Safe
25.	AFRA	BWI-32	Safe	Safe
26.	Pearl	BWI-33	Safe	Safe
27.	Pak Life	BWI-35	Safe	Safe
28.	OSIO	BWI-36	Safe	Safe
29.	NN Water	BWI-37	Safe	Safe
30.	KINLEY	BWI-38	Safe	Safe
31.	Pine'o	BWI-39	Safe	Safe
32.	New Everest	BWI-40	Safe	Safe
33.	Piyaas	BWI-41	Safe	Safe
34.	Sunlay	BWI-42	Safe	Safe
35.	Blu Plus	BWI-43	Safe	Safe
36.	Al-Sahar	BWI-44	Safe	Safe
37.	Zindagi	BWI-45	Safe	Safe
38.	Marbella	BWI-46	Safe	Safe
39.	Crystal Maya	BWI-47	Safe	Safe
40.	Simply Pure	BWI-48	Safe	Safe
41.	Livon	BWI-50	Safe	Safe
42.	Aqua Water	BWI-51	Safe	Safe
43.	Vinh	BWI-53	Safe	Safe
44.	DAM	BWI-55	Safe	Safe
45.	Aaab-e-Sehat	BWI-56	Safe	Safe
46.	Batina Pure	BWI-58	Safe	Safe
47.	Al-Masafi	BWI-59	Safe	Safe
48.	Valley	BWI-60	Safe	Safe
49.	Onega	BWI-61	Safe	Safe
50.	Deep Spring	BWI-62	Safe	Safe
51.	Water Plus	BWI-63	Safe	Safe
52.	Venora	BWI-64	Safe	Safe
53.	Deosai	BWI-65	Safe	Safe
54.	Hydra	BWI-66	Safe	Safe
55.	Nectar	BWI-67	Safe	Safe
56.	White Gold	BWI-68	Safe	Safe
57.	Mehr	BWI-69	Safe	Safe
58.	Fresh Life	BWI-70	Safe	Safe
59.	Aqua Classic	BWI-71	Safe	Safe
60.	Aqua Hygenic	BWI-72	Safe	Safe
61.	Drop Ice	BWI-73	Safe	Safe
62.	Nestle	BWI-74	Safe	Safe
63.	Reel Water	BWI-76	Safe	Safe
64.	Pura Light	BWI-77	Safe	Safe
65.	Aqua 7	BWI-78	Safe	Safe
66.	Aabe-e-Sehar	BWI-79	Safe	Safe
67.	New Classic	BWI-82	Safe	Safe

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Sr. No	Brand Name	Code	Quality (Safe/Unsafe)	
			Chemical	Microbiological
68.	Freshely	BWI-86	Safe	Safe
69.	Ziran	BWI-87	Safe	Safe
70.	Minter	BWI-89	Safe	Safe
71.	Aftab Qarshi	BWI-90	Safe	Safe
72.	Aiza	BWI-91	Safe	Safe
73.	Pak Natural	BWI-92	Safe	Safe
74.	Pure it	BWI-93	Safe	Safe
75.	Cool Pure	BWI-94	Safe	Safe
76.	Aquagen	BWI-95	Safe	Safe
77.	Doce	BWI-96	Safe	Safe
78.	Jami Water	BWI-97	Safe	Safe
79.	Aab-e-Khoob	BWI-98	Safe	Safe
80.	Butt Water	BWI-99	Safe	Safe
81.	Krisko Water	BWI-100	Safe	Safe
82.	Pacific Pure	BWI-101	Safe	Safe
83.	Effort	BWI-104	Safe	Safe
84.	Fresh way	BWI-105	Safe	Safe
85.	Aqua Safe	BWI-106	Safe	Safe
86.	Gourmet	BWI-108	Safe	Safe
87.	Aquafina	BWI-109	Safe	Safe
88.	Mashmoom Aqua	BWI-110	Safe	Safe
89.	YAS	BWI-111	Safe	Safe

PCRWR TESTING: UNSAFE BRANDS

Sr. No	Brand Name	Code	Address/Manufacturer	Quality (Safe/Unsafe)	
				Chemical	Microbiological
1.	ECO	BWI-01	J & J Foods and Beverages, Roras Road Naul Chowk Sialkot, Pakistan. +92-52-6915600 info@jifoods-bev.com	Safe	Unsafe
2.	Coral Water	BWI-03	Bottled By: Combine Brothers Traders, Adda Khirana, Sialkot 0333-8606644 sales@coralwater.com www.coralwater.com.pk	Safe	Unsafe
3.	HI-Fresh	BWI-10	NBFC Pakistan: Madina Farms, 84 N-B, Sargodha www.hi-freshwater.com	Safe	Unsafe
4.	New Nation	BWI-15	Bottled by: Ramez Enterprises: 9-KM, GT Road, Rachna Town, Shahdara Lahore 0300-0426141	Unsafe	Safe
5.	Pak Aqua	BWI-25	Product By: Bilal Enterprises, Ajmal town noshra Sansi Gujranwala	Unsafe	Safe
6.	HFC	BWI-29	Unique Water Treatment System: Food Street Kacha Darwaza near masjid shah Sahib Wali Gujranwala. 055-4212396-97	Unsafe	Safe
7.	Total	BWI-30	Total_water@yahoo.com	Unsafe	Safe
8.	NG Fresh Water	BWI-34	Nadir Hasan Hyderabad Pakistan. E-mail: jam_nasir11@yahoo.com	Unsafe	Safe

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Sr. No	Brand Name	Code	Address/Manufacturer	Quality (Safe/Unsafe)	
				Chemical	Microbiological
9.	Al-Habib	BWI-49	0313-2105390 E-10 Al-Azam Square FB Area, Block 1, Karachi 0333-2161166 email: al-habib@cyber.net.pk	Unsafe	Safe
10.	Silver	BWI-52	A Product of M. R Industries Head office: B.1 Block, 20 F-B Area Karachi 0346-8203201	Unsafe	Safe
11.	ORION	BWI-54	Orion Foods: Site E.1 Suite No. 2, Defence view, Phase 2, Karachi 021-35310631-2 orionproducts@gmail.com	Unsafe	Safe
12.	Aqua Arabia	BWI-57	Manufactured By Zahid Oriental Corporation T.M # 385840 DP-31/1 Sector-6-B Sabah Chorangi Ayub Goth Road North Karachi Industrial Area Phone No.021-6999449	Unsafe	Safe
13.	Well Care	BWI-75	Manufactured by: Well Care International (Pvt.) Ltd., wellcare1222@gmail.com 061-6353126	Unsafe	Safe
14.	Desert Dew	BWI-80	Bottled by: Maxwell International, Wada Bagh beside Shakhi Sultan Dabar, Surajmiani road, Multan 061-4780025-26 amakhn@hotmail.com	Unsafe	Safe
15.	New Deep	BWI-81	Bottled by: S.B Food & Beverages, Zakariya Town Bosan Road Multan +92-334-6064643	Unsafe	Safe
16.	Lite Aqua	BWI-83	Lite Aqua Intr, Bahawalpur, Road Multan	Unsafe	Safe
17.	Aqua Smart	BWI-84	Product by: Zain International Canal View Colony Chichawatni. 0344-5550180 0312-6905531	Unsafe	Safe
18.	Avalon Pure Water	BWI-85	Smart products:19-Km, Multan Road Lahore 0423-5971577 www.smartproducts.com.pk info@smartproducts.com.pk	Unsafe	Safe
19.	New Smart Aqua	BWI-88	AB Brothers: Pakpattan bypass road, Sahiwal www.newsmartaqua.com	Unsafe	Safe
20.	Mazan Pure	BWI-102	Maza Fresh Foods Jaa-At Licence No.D-0.2-1836	Unsafe	Safe
21.	Royal Blue	BWI-103	IRIS Foods (Pvt) Ltd. 424-A, Tajpura LDA Scheme, Lahore	Unsafe	Safe
22.	Aqua National	BWI-107	Bottled by: MILLI Brothers, 8-Km, G.T Road, Shahdara Lahore 0333-4547000 0313-6756000	Unsafe	Safe



MARKET CONSISTENCY IN TWO NEIGHBORING QUARTERS

Sr. No	Consistent Brands	New Brands	Unavailable Brands
1.	ECO	Rise Water	Safi
2.	Coral Water	Al-Shalal	Atlantis
3.	JERS	Splash	Crystal
4.	IS berg	Super Natural	Premier
5.	ICE Well	Natural Aqwah	Aqua Save
6.	Bake Master	Bright Water	Al-Haider
7.	Vina	Unique Water	Athar
8.	HI-Fresh	HFC	Springley
9.	Murree Sparkletts	Total	Aquafine
10.	Infinity	Oslo	Aqua Heaven
11.	Blu	New Everest	NU Water
12.	Khush Aab	Piyaas	NAHLA
13.	New Nation	Sunlay	Eau Water
14.	Zim	Blu Plus	Eden Pure Water
15.	Fresh Natural	Al-Sahar	Pure Fresh
16.	Aqua Splash	Marbella	Oriel
17.	Aquatic Fresh	Simply Pure	Refresh
18.	Nebraska	Aqua Water	ECO Fina
19.	Moya mineral Water	Silver	Aspen Aqua
20.	AS Pure Life	Aab-e –Sehat	EVO
21.	Noble	Aqua Arabia	Droplet
22.	AFRA	Batina Pure	Aab E Sehat
23.	Pearl	Al-Massafi	Jumeirah
24.	NG Fresh Water	White Gold	Askari
25.	Pak Life	Fresh Life	Nash
26.	NN Water	Drop Ice	Sky Plus
27.	Kinley	Well Care	Al-Sahar
28.	Pine'o	Reel Water	MR
29.	Zindagi	Pure Light	Dewan Water Express
30.	Crystal Maya	Aab E Sehar	Aab e Rahat
31.	Al-Habib	Desert Dew	Aqua Dew
32.	Livon	Lite Aqua	NEC
33.	Vinh	Aqua Smart	KLINZ Pure Water
34.	Orion	Avalon Pure Water	Sufi
35.	Dam	Ziran	Deep Rock
36.	Valley	New Smart Aqua	Water ICON
37.	Omega	Minter	
38.	Deep Spring	Aftab Qarshi	
39.	Water Plus	Aiza	
40.	Venora	Cool Pure	
41.	Deosai	Aab E Khoob	
42.	Hydra	Royal Blue	
43.	Nectar	Effort	
44.	Mehr	Fresh way	
45.	Aqua Classic	Mashmoom Aqua	
46.	Aqua Hygienic	Yas	
47.	Nestle	Pak Aqua	
48.	Aqua7		

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



49.	New Deep		
50.	New Classic		
51.	Freshely		
52.	Pak Natural		
53.	Pur It		
54.	Aqua Gen		
55.	Doce		
56.	Jami Water		
57.	Butt Water		
58.	Krisko Water		
59.	Pacific Pure		
60.	Mazan Pure		
61.	Aqua Safe		
62.	Aqua National		
63.	Gourmet		
64.	Aquafina		

DISEASEPOTENTIAL FROM CONTAMINATED BOTTLED WATER

Sr. No	Contaminant	Diseases Impacts
1.	Bacteriological Contamination	Cholera, Diarrhea, Dysentery, Hepatitis, Typhoid
2.	Arsenic	Cancer (lungs, bladder, skin, prostate, kidney, nose and liver), diabetes kidney diseases, hypertension, heart diseases, birth defects, black foot diseases.
3.	Sodium	Hypertension

CONCLUSIONS

Sr. No	Item	Conclusion	
		No.	% age
1.	Total No. of Brands Collected	111	-
2.	Overall safe brands	89	80
3.	No. of overall unsafe brands	22	20
4.	No. of Chemically safe brands	92	83
5.	No. of Chemically unsafe brands	19	17
6.	No. of Microbiologically safe brands	108	97
7.	No. of Microbiologically unsafe brands	3	3
8.	No. of Consistent brands in Market	64	58
9.	No. of brands disappeared from market	36	32
10.	No. of new brands	47	42

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