



QUARTERLY REPORT BOTTLED WATER QUALITY

(July-September, 2015)



PAKISTAN COUNCIL OF RESEARCH IN WATER RESOURCES

Ministry of Science & Technology

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

www.pcrwr.gov.pk

July-September, 2015

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



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, 2015 following is the brief overview of the findings.

Quarterly Monitoring of Bottled/Mineral Water (July-September, 2015)

No. of Brands Collected	119	
No. of Cities Targeted	Islamabad, Rawalpindi, D.I.Khan, Faisalabad, Gujranwala, Sialkot, Sahiwal, Sargodha, Multan, Lahore, Bahawalpur, Karachi, Tando Jam, Quetta, and Peshawar).	
No. of Overall Safe Brands	96	
Overall Unsafe Brands (0)	Brand Name	Manufacturer(s)
	Al-Hawa	A&A traders small industry Sahiwal. Ph:040-4502718
	Aqua Smart	Zain international canal view colony chichawatni Sahiwal Ph: 031-6905531
	Crystal Pure Water	Plot# 24 old civil lines Mela mandi road Sargodha. Tel:048-3728792
	Well Care	Well Care International (Pvt) LTD 061-6353126 E-Mail:wellcare1222@ gmail.com
	Sawera	Zubair Food Products : Multan Pakistan 0300-2797036.
	Pure Fresh	NLC By Pass Khanewal Road, Multan. 0300-4280405
	Metro	A Product of Metro International Pakistan.
	Oriel	Wasco International (Pvt) Ltd. 061-6007773 Email : orielwasco@gmail.com
	Al-Haider pure	Gulshan Iqbal park china chowk Sialkot Pakistan.
	Zenith	Street#02 plot(195) sector I-9/3-2 Islamabad Ph:0343-8957834
	Premier	19-km, Near High noon Laboratories Multan Road, Lahore.
	Days Pure	Days pure Lahore-54000 Pakistan
	Aqua National	Mill Brothers: 8-KM, GT Road, Shahdara Lahore
	Pak Spring	G.T Road Ghakhar city Lahore. 03005008384
	Nation	Ramez Enterprises: 9-KM, GT Road, Rachna Town, Shahdara Lahore
	Mazan Pure Life	Maza Fresh Foods Jaa-Af Licence # D-0.2-1836
	Al-Khair	Reg No. BWP-465
	Pineo	Gysing Pak PSIE, Bahawalpur gysing@live.com
	Zindagi	A product of Zindagi International. 021-35432052
Miracle	The Miracle Product (Pvt), Ltd. Plot # WSA-23, Block 14, FB Area, Karachi.	
Orion	Orion Foods: Site E-1, Suit No.2, Defence View Phase III, Karachi	
Naimat	Boby Plaza Compound Opp. Govt. Munshi hospital Ring Road, Lahore	
Nahla	Enviro-Pak Services & Technology Shahzad Street Link Jinnah Road Gujrat	
Chemically Safe Brands	99	
Chemically Unsafe Brands	Arsenic: 13 (Aqua Smart, Well Care, Swera, Pure Fresh, Oriel, Premier, Days Pure, Aqua National, Pak Spring, Nation, Al-Khair, Pineo, Naimat)	
	Sodium: 07 (Al-Hawa, Crystal Pure Water, Well Care, Pure Fresh, Metro, Mazan Pure Life, Orion)	
	Potassium: 03 (Al-Haider pure, Mazan Pure Life, Zindagi)	
No. of Microbiologically Safe Brands	115	
Microbiologically Unsafe Brands	04 (Oriel, Zenith, Miracle, Nahla)	



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 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	119	
No. of Cities Targeted	Islamabad, Rawalpindi, D.I.Khan, Faisalabad, Gujranwala, Sialkot, Sahiwal, Sargodha, Multan, Lahore, Bahawalpur, Karachi, Tando Jam, Quetta, and Peshawar).	
Composition of Sampling Team	One Research Officer and Two Laboratory Assistants	
Sampling Procedure	Samples of One hundred and nineteen 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 July-September, 2015. 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
Safi	BWG-01	D.I.Khan	24/08/2015	07/2015	1.5 Liter	Safi Water Plant Opp: Qurtaba University D.I.Khan	Safi Water Plant Opp: Qurtaba University D.I.Khan
Al-Hawa	BWG-02	Sahiwal	03-09-2015	-	0.5 Liter	A&A traders small industry Sahiwal. Ph:040-4502718	A&A traders small industry Sahiwal. Ph:040-4502718
Vital Happy Life	BWG-03	Sahiwal	03-09-2015	-	0.6 Liter	Almansoor Consumer Shop, High Street Sahiwal	7 Km, Multan road, Sahiwal Pakistan.
Aqua Smart	BWG-04	Sahiwal	03-09-2015	-	0.6 Liter	Shahid Ali Malik Tuck Shop General Bus stand Burewala Road Sahiwal	Zain international canal view colony chichawatni Sahiwal Ph: 031-6905531
Mary Gold	BWG-05	Sahiwal	03-09-2015	-	0.6 Liter	Shahid Ali Malik Tuck Shop General Bus stand Burewala Road Sahiwal	NBFC Pakistan/ Madina farms, chack no 84 N.B Jhang road Sargodha.
Springley	BWG-06	Faisalabad	24/08/2015	01/2017	1.5 Liter	Bao Ge Pan Shop Faisalabad	Plot no# 56/1-4, phase I&II, Hattar Industrial estate, Distt. Haripur, KPK.
Super Natural	BWG-07	Faisalabad	24/08/2015	-	0.6 Liter	Zafar hotel GTS Faisalabad.	P-958 street#12, Muhammad a bad Faisalabad. Ph:0321-8664482
Rachna	BWG-08	Faisalabad	24/08/2015	-	0.6 Liter	Shafqat pan shop Jhumra Road Faisalabad.	Ghazi town Jaranwala. Ph:041-4311656 E-mail: rachnapurewater@gmail.com
Zim	BWG-09	Faisalabad	24/08/2015	-	0.5 Liter	Abdullah pan shop GTS Faisalabad.	New Punjab floure mills, G.T road Ferozwala. Ph:042-3734631
Aquwa Plus	BWG-10	Faisalabad	24/08/2015	-	0.6 Liter	Mosa pan shop nighyban pura Faisalabad.	AR Traders Gojra Pakistan. aquwaplus@yahoo.com
Crystal Pure Water	BWG-11	Sargodha	24/08/2015	07/2016	0.6 Liter	Bismillah general store 47 Adda Sargodha.	Plot# 24 old civil lines Mela mandi road Sargodha. Tel:048-3728792
Hi-Fresh	BWG-12	Sargodha	24/08/2015	08/2016	0.6 Liter	Asif pan shop & cold drink, satellite town chowk Sargodha	Madina farms, 84-N.B Sargodha, Pakistan. E-mail: www.hi-freshwater.com
Khush Aab	BWG-13	Sargodha	24/08/2015	-	0.6 Liter	University model pharmacy university road.UOS Sargodha.	A project of University of Sargodha www.khushaab.com
Classic	BWG-14	Multan	31/08/2015	06/2016	0.6 Liter	Nazi-ud-din & co chongi No 09 Multan.	Classic Consumable: Plot No.74-B, Industrial Estate Phase II Multan.
Well Care	BWG-15	Multan	31/08/2015	-	0.5 Liter	Fatima medical store Nishtar Road Multan.	Well Care International (Pvt) LTD 061-6353126 E-Mail: wellcare1222@gmail.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
Sawera	BWG-16	Multan	31/08/2015	-	0.5 Liter	Mushtaq drink corner reharo chowk, Multan.	Zubair Food Products : Multan Pakistan 0300-2797036.
Pure Fresh	BWG-17	Multan	30/08/2015	-	0.5 Liter	Nadir hameed drink corner general bus stand, Multan.	NLC By Pass Khanewal Road, Multan. 0300-4280405
Metro	BWG-18	Multan	30/08/2015	-	0.5 Liter	Paramount general store Dera Adda chowk, Multan.	A Product of Metro International Pakistan.
Aqua 7	BWG-19	Multan	30/08/2015	04/2016	0.6 Liter	Souk super store, boson road Multan.	Pulse International (Water Company) 4, H.T.E.Z, Old Budla Road, Multan.
Oriel	BWG-20	Multan	30/08/2015	05/2016	0.5 Liter	Corly drink corner road, Nishtar Multan.	Wasco International (Pvt) Ltd. 061-6007773 Email : orielwasco@gmail.com
NEBRASKA	BWG-21	Peshawar	01/09/2015	08/2015	0.6 Liter	Suite 06, First floor glamour-one plaza PECO road , township Lahore	Suite 06, First floor glamour-one plaza PECO road, township Lahore.
Aquatic Fresh	BWG-22	Peshawar	01/09/2015	08/2015	0.6 Liter	ROYAL FOOD INDUSTRIES Plot# 1-c industrial estate Jamrud road Peshawar, Kpk Pakistan.	ROYAL FOOD INDUSTRIES Plot# 1-c industrial estate Jamrud road Peshawar, Kpk Pakistan.
Aqua Splash	BWG-23	Peshawar	01/09/2015	10/2015	0.6 Liter	4-7 Town center, Abdara road university town, Peshawar. Ph: +92-91-5701600	4-7 Town center, Abdara road university town, Peshawar. Ph: +92-91-5701600
Ice Well	BWG-24	Sialkot	02/09/2015	-	0.5 Liter	Jahangeer Pan Shop Commissioner Road Sialkot	Quaint Beverages Industries Bahghwal Awan P.o khas Sialkot. E-mail quaint.beverages@att.net
Eco	BWG-25	Sialkot	02/09/2015	-	0.6 Liter	J&J Foods& Beverages Roras road, Naul chowk Sialkot	J&J Foods& Beverages Roras road, Naul chowk Sialkot.
Jers	BWG-26	Sialkot	02/09/2015	-	0.6 Liter	Lucky Pan Shop Shap pura Chowk Sialkot	Jers Traders:Opp.Bismillah CNG Gujranwala Road Daska
Coral	BWG-27	Sialkot	02/09/2015	04/2016	0.6 Liter	Bismillah Pan Shop Imam Sb Road Sialkot	E-mail: sales@coralwater.com Ph: 0333-8606644
Vina	BWG-28	Sialkot	02/09/2015	-	0.6 Liter	Al-Sultan Beverages Industries: Chaprar road Gul bahar kalan, Sialkot.	Al-Sultan Beverages Industries: Chaprar road Gul bahar kalan, Sialkot.
Bake master	BWG-29	Sialkot	02/09/2015	08/2016	0.6 Liter	Bake Master Bakery Kashmir Road Sialkot	0342-6661666 0333-8656666

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
Aqua save	BWG-30	Sialkot	02/09/2015	-	0.6 Liter	SFS Mineral Water Company Wazirabad road, jalianwala ugoki, Sialkot.	SFS Mineral Water Company Wazirabad Road, jalianwala ugoki, Sialkot.
Al Shalal	BWG-31	Sialkot	02/09/2015	-	0.6 Liter	A-One Fruit Chat Pul aik Sialkot	AZO Enterprises:Seokay 14-km,Aimanabad Road Sialkot
Isberg	BWG-32	Sialkot	02/09/2015	-	0.6 Liter	Premier Water Refining Company Dhabola, Roras road Sialkot.	Premier Water Refining Company Dhabola, Roras road Sialkot.
Al-Haider pure	BWG-33	Sialkot	02/09/2015	04/2016	0.5 Liter	Pan Shop China Chowk Sialkot	Gulshan Iqbal park china chowk Sialkot Pakistan.
Athar	BWG-34	Sialkot	02/09/2015	-	0.5 Liter	Pan shop Haji pura Sialkot	E-mail: Ajva Rice@gmail.com
Rise	BWG-35	Sialkot	02/09/2015	-	0.6 Liter	3-KM kingra road, Sialkot. Tel:052-4602580	3-KM kingra road, Sialkot. Tel:052-4602580
Nestle	BWG-36	Quetta	03/09/2015	02/2017	1.5 Liter	Saif medical & surgical center M.A Jinnah road, Quetta.	308, Upper Mall Lahore
Aqua hygienic	BWG-37	Quetta	03/09/2015	08/2016	1.5 Liter	New Haq medical store M.A Jinnah road, Quetta.	Plot3 02, Street# 12, Faisal town road brewery road Quetta.
Aqua classic	BWG-38	Quetta	03/09/2015	-	1.5 Liter	Lateef medical store M.A Jinnah road, Quetta.	Ph:0332-7902083, 0333-7949361
Every	BWG-39	Quetta	03/09/2015	-	1.5 Liter	New smad medical M.A Jinnah road, Quetta.	Block No. 03 Jamshed Road Karachi.
Pure it	BWG-40	Gujranwala	15/09/2015	-	0.6 Liter	Adeel Cold Corner Alam Chowk Gujranwala	E-mail: info@pureitwater.pk
Unique water	BWG-41	Gujranwala	15/09/2015	-	0.6 Liter	Yamin Cold Corner Mohalla Bukhtay Wala Gujranwala	Unique Water Treatment System. Food Street Kacha Derwaza Near Masjid Shah Wali Gujranwala
Vivian	BWG-42	Gujranwala	15/09/2015	2016	0.6 Liter	Al-Meraj Peoples Bakers Colony Gujranwala	Ayesha food industries, 4km Sialkot Wazirabad, Pakistan. Tel:0092-55-6693035-6
Blessing	BWG-43	Gujranwala	15/09/2015	06/2016	0.6 Liter	Amir General Store Lari Adda Gujranwala	E-mail: Blessingwater@Yahoo.com
Heaven pure	BWG-44	Gujranwala	15/09/2015	10/2016	0.6 Liter	Amin General Store Alam Chowk Gujranwala	Suite no 02, 7 th floor liberty gate tower, MM Alan road Lahore. Tel:924235771719
Oniex water	BWG-45	Gujranwala	15/09/2015	-	0.6 Liter	Main Sb Peoples Kashmir Road Gujranwala	E-mail: oniexfoods@gmail.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
Water icon	BWG-46	Islamabad	09/09/2015	-	1.5 Liter	National Police Foundation Street#2,House 476,O-9 Islamabad E-mail: Water_icon@yahoo.com	National Police Foundation Street#2,House 476,O-9 Islamabad E-mail: Water_icon@yahoo.com
Valley	BWG-47	Islamabad	11/09/2015	12/2015	0.5 Liter	Plot No. 277 Street No. 1, Industrial Area I-9 Islamabad	Plot No. 277 Street No. 1, Industrial Area I-9 Islamabad
Zenith	BWG-48	Islamabad	11/09/2015	-	0.6 Liter	Street#02 plot(195) sector I-9/3-2 Islamabad Ph:0343-8957834	Street#02 plot(195) sector I-9/3-2 Islamabad Ph:0343-8957834
Venora	BWG-49	Islamabad	11/09/2015	08/2016	1.5 Liter	Plot#238,St#6,I-9/3 051-5392006	Plot#238,St#6,I-9/3 051-5392006
Water plus	BWG-50	Islamabad	11/09/2015	09/2015	0.5 Liter	Plot#235,St#6,I-9/2 industrial Area, Islamabad Tel:051-4438984 Email:info@bankpvt.com	Plot#235,St#6,I-9/2 industrial Area, Islamabad Tel:051-4438984 Email:info@bankpvt.com
Deep Spring	BWG-51	Islamabad	11/09/2015	-	1.5 Liter	Plot#226,St#7,Sector I-9/2 Industrial Area Islamabad	Plot#226,St#7,Sector I-9/2 Industrial Area Islamabad
Hydra	BWG-52	Islamabad	11/09/2015	-	1.5 Liter	Plot#31-A Sector,I-9 Islamabad	Plot#31-A Sector,I-9 Islamabad
Deosai	BWG-53	Islamabad	11/09/2015	03/2016	1.5 Liter	Margalla foods Beverages Plot#32, Khyaban-e-Johar Industrial Area Sector I-9/2	Margalla foods Beverages Plot#32, Khyaban-e-Johar Industrial Area Sector I-9/2
Maher	BWG-54	Rawalpindi	11/09/2015	06/2016	0.5 Liter	Arid Agriculture University Murree Road Rawalpindi	Arid Agriculture University Murree Road Rawalpindi
Nectar	BWG-55	Islamabad	07/09/2015	-	1.5 Liter	Plot#14/10 G-7 Markaz Islamabad	Plot#14/10 G-7 Markaz Islamabad
Drink Pure	BWG-56	Lahore	02-09-2015	-	1.5 Liter	786 pan shop Kharak Nala stop Multan road Lahore	23 km Kharian Dinga Road, Near Biknawala Dinga Pakistan
Aab-e-Rahat	BWG-57	Lahore	04-09-2015	05/2016	1.5 Liter	Haider Pan Shop Village Nawab Sahb Lahore	Bottled at Chudhary Foods 220-8 Feroz pure Road Lahore aabe_rahat@yahoo.com
Aqua Pro	BWG-58	Lahore	04-09-2015	04-2016	0.6 Liter	Akram Khan Shop Lahore	Tel:0300-4634370, 0332-5057590
Krisco	BWG-59	Lahore	03-09-2015	02/2016	0.5 Liter	Krisco sweet & bakers Sodawal Main Somanabad road Lahore	10 Km Defence Road Lahore Email: info@krisco.com.pk
Butt Water Fresh	BWG-60	Lahore	02-09-2015	07/2016	0.5 Liter	Butt Sweet and bakers Rewind Road Lahore	www.Buttsweets.com
Premier	BWG-61	Lahore	03-09-2015	12-2016	0.6 Liter	Mashallah Gold Corner Niazi Adda Lahore	19-km, Near High noon Laboratories Multan Road, Lahore.
ICE Cube	BWG-62	Lahore	03-09-2015	06/2016	0.6 Liter	Roshen Pan Shop Lahore	ICE Cube (Pvt) Ltd, Plot No. Abdul Wahab Street sagian Lahore

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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
Sufi	BWG-63	Lahore	02-09-2015	08/2017	0.6 Liter	Mahr Pan Shop Jameel Town Sabzazar Lahore	Haddayat Foods Staff Industries (Pvt) Ltd. I-B, Garden Block, Garden Town, Lahore
Doce	BWG-64	Lahore	02-09-2015	08/2016	0.6 Liter	Dace bakery Liaquat Chowk Sabzazar Lahore	48-M, Quaid-e-Azam Industrial Estate Kot Lakhpat, Lahore
Pura fin	BWG-65	Lahore	02-09-2015	06/2016	0.6 Liter	Ali Pan Shop A. Block Sabzazar 69-D	23-Iqbal street, opp, Saidpur Grid Station Multan Road Lahore
Ajwa	BWG-66	Lahore	04-09-2015	08/2016	0.5 Liter	Rizwan Pan Shop Somanabad chowk Lahore	Nizam Park, Muridke Lahore
Mushroom Aqua	BWG-67	Lahore	04-09-2015	09/2016	0.6 Liter	Nice Juice Corner Near Shezan Factory Lahore	Plot#154/3,154/4, phase v Industrial Estate Haripur KPK
Days pure	BWG-68	Lahore	03-09-2015	-	0.5 Liter	Roshen Pan Shop Lahore	Days pure Lahore-54000 Pakistan
Aftab Qarshi	BWG-69	Lahore	04-09-2015	06/2016	0.5 Liter	Akram Khan Pan Shop Khana Stop Lahore	Muzamil Town, 20 KM Multan Road, Lahore, Aftab Qarshi Herbal Laboratories
Aqua(Hygiene)	BWG-70	Lahore	04-09-2015	04/2016	0.5 Liter	Allah Shahenshah Pan Shop Lahore	Ghazi Trading Company: 524, Main GT Road, Lahore
Natural	BWG-71	Lahore	04-05-2015	10/2016	0.6 Liter	Kashif Gold corner scheme main Multan Road Lahore	564-Q phase 2, M.A Johar Town Lahore
Aqua Dew	BWG-72	Lahore	02-09-2015	05/2016	0.6 Liter	Al Raheem Pan shop Jameel Town Liaquat Chowk Near Sabzazar Lahore	N-Block, Sabzazar Lahore Pakistan
Gourmet Water	BWG-73	Lahore	02-09-2015	02/2016	0.6 Liter	Scheme More Gourmet Bakers Main Multan Road Lahore	Gourmet Foods, Gate #1, Plot 1-5, Sundar Industrial Estate, Raiwind, Sundar Road, Lahore.
Aqua National	BWG-74	Lahore	04-09-2015	12-2016	0.6 Liter	Rizwan Pan Shop Somanabad chowk Lahore	Mill Brothers: 8-KM, GT Road, Shahdara Lahore.
Ziran	BWG-75	Lahore	04-09-2015	07-2016	0.5 Liter	Chach Chiki Hotel And Restaurant Rewind Road Lahore	1 Km, Off Multan Road Defence Road Lahore
Muree Sparkletts	BWG-76	Lahore	04-09-2015	07/2016	1.5 Liter	Khushi & sons Kaka Pan Shop Chowk Yateem Khana Lahore	A division of Murree Brewery Co. Ltd. Plot # 10/2, Phase-III, Industrial Estate, Hattar.
Aquanza	BWG-77	Lahore	02-09-2015	-	1.5 Liter	786 pan shop Near Multan road Lahore	730/731 Harbans pura Bridge Canal Road Lahore
Doctor's Water	BWG-78	Lahore	03-09-2015	05/2015	1.5 Liter	Pan Shop Lari Adda Lahore	Doctor water industry private limited Main Road Lahore

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Pak Spring	BWG-79	Lahore	02-09-2015	08/2016	1.5 Liter	Roshen Pan shop Lahore	G.T Road Ghakhar city Lahore
Cozy Water	BWG-80	Lahore	03-09-2015	-	1.5 Liter	Ali bhai pan Shop Lahore	Chowk Al-mumtaz cinema Shah Faisal Road Lahore Pakistan
Fazal-e-Haq	BWG-81	Lahore	04-09-2015	-	1.5 Liter	Fazi-e-Haq Dera Main Wahdat Road Lahore	Alma beverages 76- Rizwan Garden Lahore Email: presourcis@hotmail.co m
Aqua Gen	BWG-82	Lahore	02-09-2015	09/2015	1.5 Liter	Zulifiqar pan shop Near Nawaz Sharif social security Hospital Multan Chungi Lahore	36-civic center Liaqat chowk Sabzazaar scheme Lahore
Shah Jahani	BWG-83	Lahore	-	02/2016	1.5 Liter	Shaafi Super Store 89-B Sabzazar Lahore	19 Km Main Multan road Lahore Email: topfoods786@gmail.co m
Nation	BWG-84	Lahore	03-09-2015	12/2016	1.5 Liter	Allah Shahenshah Pan Shop Lahore	Ramez Enterprises: 9- KM, GT Road, Rachna Town, Shahdara Lahore
Al-Minhal	BWG-85	Lahore	03-09-2015	05/2016	1.5 Liter	Ali bhai Pan Shop Lahore	195-2/block Opp.Zee Grill Near Khokhar Chowk Johar town Lahore
Ripple	BWG-86	Islamabad	07-09-2015	-	1.5 Liter	Main Mirpur Road Al-Noor Colony Sector #3 Corner Off St#6 Behind Fazaia Colony Rawalpindi	Main Mirpur Road Al- Noor Colony Sector #3 Corner Off St#6 Behind Fazaia Colony Rawalpindi
Atlantis	BWG-87	Rawalpindi	07-09-2015	-	0.5 Liter	Plot, 615-616 Servicie Road Fazaia Colony, Khanna Rawalpindi.	Plot, 615-616 Servicie Road Fazaia Colony, Khanna Rawalpindi.
Mazan Pure Life	BWG-88	Faisalabad	10-09-2015	-	0.5 Liter	Tuck Shop new Subhan Travels Faisalabad	Maza Fresh Foods Jaa- Af Licence # D-0.2-1836
Al-Khair	BWG-89	Bahawalpure	01-09-2015	04/2016	0.6 Liter	Malik Medical Store Model town Bahawalpur	Reg No. BWP-465
Pineo Water	BWG-90	Bahawalpur	01-09-2015	08/2016	0.6 Liter	Usman Pharmacy Model Town Bahawalpur	Gysing Pak PSIE, Bahawalpur gysing@live.com
Ecofina	BWG-91	Bahawalpur	01-09-2015	06/2015	0.6 Liter	New Awan Medical Store Bahawalpur	Taste Perfection

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Blue Water	BWG-92	Bahawalpur	10-09-2015	06/2015	0.6 Liter	Al-Noor Super Store Comercial Area Bahawalpur	Al-Hilal Industries (Pvt.) Ltd. Sultan Nagar, Vehari Road, Multan
Piyyas	BWG-93	Bahawalpur	01-09-2015	02/2017	0.6 Liter	Time Pharmacy Near Al-Raheem Hospital.	Arshad Industries, 59-A, Ghalla Mandi, Bahawalpur
Leven	BWG-94	Karachi	14-09-2015	08/2016	0.6 Liter	Karman wala Main Market Pholwan Goth.	A product of M.R. Industries, B-1, Block 20, F.B. Area, Karachi
Zindagi	BWG-95	Karachi	14-09-2015	-	0.6 Liter	Memon pan Shop Gulistan-e-Johar Block 02.Karachi	A product of Zindagi International. 021-35432052
Crystal Maya	BWG-96	Karachi	14-09-2015	12/2016	0.6 Liter	Al-Rehan Milk Shop Main Markete Pholwan Goth Karachi	Tilon Global Off: B-221, 226, Hub, Baluchistan
NASH	BWG-97	Karachi	14-09-2015	-	0.6 Liter	Mashallah Milk Shop Gulistan-e-Johar Block 02	Block, 13-D Gulshan-e-Iqbal, Karachi.
Miracle	BWG-98	Karachi	14-09-2015	-	0.5 Liter	Main Gabool Chorangi New Pak Sweet Bakers Karachi	The Miracle Product (Pvt), Ltd. Plot # WSA-23, Block 14, FB Area, Karachi.
Orion	BWG-99	Karachi	14-09-2015	-	0.6 Liter	Farhan Juices center Main Market Pholwan Goth.	Orion Foods: Site E-1, Suit No.2, Defence View Phase III, Karachi
Askari	BWG-100	Karachi	14-09-2015	12/2017	0.6 Liter	Billy's shopping Galleria in Rabia City Karachi	A product of Askari International
Queerish	BWG-101	Karachi	15-09-2015	-	0.6 Liter	Pakeeza General Store in Drigh Road.	Plot#47,Hasking Road West Karachi
Al-Habib	BWG-102	Karachi	15-09-2015	12/2016	0.6 Liter	General Store Shah Latif Town.	E-10 Al-Azam Square F.B Area Block-1 Karachi.
Evo Fresh	BWG-103	Karachi	15-09-2015	-	0.6 Liter	Aghaz ice Cream Natha Khan Goth.	Qaim Khani Traders
Jel	BWG-104	Karachi	15-09-2015	12/2016	0.5 Liter	Raheel Sweet bakari in Mahir Kala Board.	Plot, A-92 Malir Industrial Area Malir, Karachi.
Aqua Arabia	BWG-105	Karachi	15-09-2015	06/2016	0.6 Liter	Fatim General Store Mahir Kala Board	Zahid Orient corporation TM#385840

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
DAM	BWG-106	Karachi	15-09-2015	-	0.6 Liter	Al Darwaash pan and general Store Natha Khan Goth	Manufactures DAM Waters: 47/1, Siddiqabad Model Colony, Karachi
Defence	BWG-107	Karachi	15-0-2015	12/2016	0.6 Liter	Gnousia general Store Main Marker Shah Faisal	3/12 Block No. 3 S.F.C Industrial Area Karachi
Droplet	BWG-108	Karachi	15-09-2015	-	0.6 Liter	Gul Khan general Store Shah Faisal	Block-1/A Gulistan-e-Johar Karachi.
Afra	BWG-109	Tando Jam	15-09-2015	12/2017	0.6 Liter	Premium Drinking Water: Tower Market, Hakeem Habibullah Raod, Hyderabad	Premium Drinking Water: Tower Market, Hakeem Habibullah Raod, Liaquat Colony Hyderabad
Noble	BWG-110	Tando Jam	15-09-2015	12/2016	0.6 Liter	Pak National Company, Tower Market, Hakeem Habib Road, Hyderabad	Pak National Company Lahore., Tower Market, Hakeem Habib Road, Hyderabad
Aqua Blue Drops	BWG-111	Tando Jam	16-09-2015	-	0.6 Liter	Zam Zam Shop Rustan Shahed Road Tando Jam	Bottled by So-Safe water Technology, Karachi -
Buxton	BWG-112	Tando Jam	16-09-2015	-	0.6 Liter	Sindh National Industries Hakeem Habib Road Liaquat Colony Hyderabad.	Head Office Tower Markete Hyderabad and Factory: Expo Center Hyderabad.
NG Fresh Water	BWG-113	Tando Jam	16-09-2015	-	0.6 Litre	Nadir Hassan Station Road Tando Jam Hyderabad 0313-2105390, 0300-2719256	Nadir Hassan Station Road Tando Jam Hyderabad Pakistan 0313-2105390, 0300-2719256
Pearl	BWG-114	Tando Jam	15-09-2015	-	0.6 Liter	SQBS Enterprises Plot No. 144/68 KM near Toll Plaza, Super Highway, Jamshoro	SQBS Enterprises Plot No. 144/68 KM near Toll Plaza, Super Highway, Jamshoro
Pak Life	BWG-115	Tando Jam	15-09-2015	12/2017	0.6 Liter	Tower Market, Hakeem Habib Road, Liaquat Colony Hyderabad	Bottled by Pak National Company Lahore, Head Office Tower Market, Hakeem Habib Road, Hyderabad
Infinity	BWG-116	Islamabad	21-09-2015	09/2016	1.5 Liter	Musaffa Drop (Pvt) Ltd: Japan Road, Sihala Khurd Islamabad	Musaffa Drop (Pvt) Ltd: Japan Road, Sihala Khurd Islamabad
Paradise	BWG-117	Lahore	21-09-2015	-	1.5 Liter	New Butt Sweets and Bakers Mor Samanabad Lahore	Ali Brother & Co. 140/C, Allama Iqbal Road, Lahore
Niamat	BWG-118	Lahore	21-09-2015	06/2016	1.5 Liter	Water World Boby Plaza Band Road Lahore	Boby Plaza Compound Opp. Govt. Munshi hospital Ring Road, Lahore
Nahla	BWG-119	Lahore	21-09-2015	03/2016	0.5 Litre	Pan Shop Lari Adda Lahore	Enviro-Pak Services & Technology Shahzad Street Link Jinnah Road Gujrat



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

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	(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

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Sr. #	Parameter	Units	Permissible Limits		
			WHO	IBWA	PSQCA
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.	Aqua Smart	BWG-04	Sahiwal	ppb	37
2.	Well Care	BWG-15	Multan	ppb	11
3.	Swera	BWG-16	Multan	ppb	12
4.	Pure Fresh	BWG-17	Multan	ppb	22
5.	Oriel	BWG-20	Multan	ppb	38
6.	Premier	BWG-61	Lahore	ppb	17
7.	Days Pure	BWG-68	Lahore	ppb	26
8.	Aqua National	BWG-74	Lahore	ppb	61
9.	Pak Spring	BWG-79	Lahore	ppb	27
10.	Nation	BWG-84	Lahore	ppb	25
11.	Al-Khair	BWG-89	Bahawalpur	ppb	68
12.	Pineo	BWG-90	Bahawalpur	ppb	24
13.	Naimat	Bwg-118	Lahore	ppb	13

Sodium: Safe Limit : 50 parts per million (ppm)					
Sr. No	Brand Name	Code	City of Manufacturing	Unit	Results
1.	Al-Hawa	BWG-02	Sahiwal	ppm	116
2.	Crystal Pure Water	BWG-11	Sargodha	ppm	72
3.	Well Care	BWG-15	Multan	ppm	74
4.	Pure Fresh	BWG-17	Multan	ppm	66
5.	Metro	BWG-18	-	ppm	66
6.	Mazan Pure Life	BWG-88	Faisalabad	ppm	90
7.	Orion	BWG-99	Karachi	ppm	150

Potassium : Safe Limit : 10 parts per million (ppm)					
Sr. No	Brand Name	Code	City of Manufacturing	Unit	Results
1.	Al-Haider pure	BWG-33	Sialkot	ppm	40
2.	Mazan Pure Life	BWG-88	Faisalabad	ppm	18
3.	Zindagi	BWG-95	Karachi	ppm	34

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



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.	Oriel	BWG-20	08	Nil
2.	Zenith	BWG-48	02	Nil
3.	Miracle	BWG-98	04	Nil
4.	Nahla	BWG-119	06	Nil

PCRWR TESTING: SAFE BRANDS

Sr. No	Brand Name	Code	Quality (Safe/Unsafe)	
			Chemical	Microbiological
1.	Safi	BWG-01	Safe	Safe
2.	Vital Happy Life	BWG-03	Safe	Safe
3.	Mary Gold	BWG-05	Safe	Safe
4.	Springley	BWG-06	Safe	Safe
5.	Super Natural	BWG-07	Safe	Safe
6.	Rachna	BWG-08	Safe	Safe
7.	Zim	BWG-09	Safe	Safe
8.	Aquwa Plus	BWG-10	Safe	Safe
9.	Hi-Fresh	BWG-12	Safe	Safe
10.	Khush Aab	BWG-13	Safe	Safe
11.	Classic	BWG-14	Safe	Safe
12.	Aqua 7	BWG-19	Safe	Safe
13.	NEBRASKA	BWG-21	Safe	Safe
14.	Aquatic Fresh	BWG-22	Safe	Safe
15.	Aqua Splash	BWG-23	Safe	Safe
16.	Ice Well	BWG-24	Safe	Safe
17.	Eco	BWG-25	Safe	Safe
18.	Jers	BWG-26	Safe	Safe
19.	Coral	BWG-27	Safe	Safe
20.	Vina	BWG-28	Safe	Safe
21.	Bake master	BWG-29	Safe	Safe
22.	Aqua save	BWG-30	Safe	Safe
23.	Al Shalal	BWG-31	Safe	Safe
24.	Isberg	BWG-32	Safe	Safe
25.	Athar	BWG-34	Safe	Safe
26.	Rise	BWG-35	Safe	Safe
27.	Nestle	BWG-36	Safe	Safe
28.	Aqua hygienic	BWG-37	Safe	Safe
29.	Aqua classic	BWG-38	Safe	Safe
30.	Every	BWG-39	Safe	Safe
31.	Pure it	BWG-40	Safe	Safe
32.	Unique water	BWG-41	Safe	Safe
33.	Vivian	BWG-42	Safe	Safe
34.	Blessing	BWG-43	Safe	Safe
35.	Heaven pure	BWG-44	Safe	Safe
36.	Oniex water	BWG-45	Safe	Safe

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Sr. No	Brand Name	Code	Quality (Safe/Unsafe)	
			Chemical	Microbiological
37.	Water icon	BWG-46	Safe	Safe
38.	Valley	BWG-47	Safe	Safe
39.	Venora	BWG-49	Safe	Safe
40.	Water plus	BWG-50	Safe	Safe
41.	Deep Spring	BWG-51	Safe	Safe
42.	Hydra	BWG-52	Safe	Safe
43.	Deosai	BWG-53	Safe	Safe
44.	Maher	BWG-54	Safe	Safe
45.	Nectar	BWG-55	Safe	Safe
46.	Drink Pure	BWG-56	Safe	Safe
47.	Aab-e-Rahat	BWG-57	Safe	Safe
48.	Aqua Pro	BWG-58	Safe	Safe
49.	Krisco	BWG-59	Safe	Safe
50.	Butt Water Fresh	BWG-60	Safe	Safe
51.	ICE Cube	BWG-62	Safe	Safe
52.	Sufi	BWG-63	Safe	Safe
53.	Doce	BWG-64	Safe	Safe
54.	Pura fin	BWG-65	Safe	Safe
55.	Ajwa	BWG-66	Safe	Safe
56.	Mushroom Aqua	BWG-67	Safe	Safe
57.	Aftab Qarshi	BWG-69	Safe	Safe
58.	Aqua(Hygienic)	BWG-70	Safe	Safe
59.	Natural	BWG-71	Safe	Safe
60.	Aqua Dew	BWG-72	Safe	Safe
61.	Gourmet Water	BWG-73	Safe	Safe
62.	Ziran	BWG-75	Safe	Safe
63.	Muree Sparkletts	BWG-76	Safe	Safe
64.	Aquanza	BWG-77	Safe	Safe
65.	Doctor's Water	BWG-78	Safe	Safe
66.	Cozy Water	BWG-80	Safe	Safe
67.	Fazal-e-Haq	BWG-81	Safe	Safe
68.	Aqua Gen	BWG-82	Safe	Safe
69.	Shah Jahani	BWG-83	Safe	Safe
70.	Al-Minhal	BWG-85	Safe	Safe
71.	Ripple	BWG-86	Safe	Safe
72.	Atlantis	BWG-87	Safe	Safe
73.	Ecofina	BWG-91	Safe	Safe
74.	Blue Water	BWG-92	Safe	Safe
75.	Piyyas	BWG-93	Safe	Safe
76.	Leven	BWG-94	Safe	Safe
77.	Crystal Maya	BWG-96	Safe	Safe
78.	NASH	BWG-97	Safe	Safe
79.	Askari	BWG-100	Safe	Safe
80.	Queerish	BWG-101	Safe	Safe
81.	Al-Habib	BWG-102	Safe	Safe
82.	Evo Fresh	BWG-103	Safe	Safe
83.	Jel	BWG-104	Safe	Safe
84.	Aqua Arabia	BWG-105	Safe	Safe

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Sr. No	Brand Name	Code	Quality (Safe/Unsafe)	
			Chemical	Microbiological
85.	DAM	BWG-106	Safe	Safe
86.	Defence	BWG-107	Safe	Safe
87.	Droplet	BWG-108	Safe	Safe
88.	Afra	BWG-109	Safe	Safe
89.	Noble	BWG-110	Safe	Safe
90.	Aqua Blue Drops	BWG-111	Safe	Safe
91.	Buxton	BWG-112	Safe	Safe
92.	NG Fresh Water	BWG-113	Safe	Safe
93.	Pearl	BWG-114	Safe	Safe
94.	Pak Life	BWG-115	Safe	Safe
95.	Infinity	BWG-116	Safe	Safe
96.	Paradise	BWG-117	Safe	Safe

PCRWR TESTING: UNSAFE BRANDS

Sr. No	Brand Name	Code	Address/ Manufacturer	Quality (Safe/Unsafe)	
				Chemical	Microbiological
1.	Al-Hawa	BWG-02	A&A traders small industry Sahiwal. Ph:040-4502718	Unsafe	Safe
2.	Aqua Smart	BWG-04	Zain international canal view colony chichawatni Sahiwal Ph: 031-6905531	Unsafe	Safe
3.	Crystal Pure Water	BWG-11	Plot# 24 old civil lines Mela mandi road Sargodha. Tel:048-3728792	Unsafe	Safe
4.	Well Care	BWG-15	Well Care International (Pvt) LTD 061-6353126 E-Mail:wellcare1222@gmail.com	Unsafe	Safe
5.	Sawera	BWG-16	Zubair Food Products : Multan Pakistan 0300-2797036.	Unsafe	Safe
6.	Pure Fresh	BWG-17	NLC By Pass Khanewal Road, Multan. 0300-4280405	Unsafe	Safe
7.	Metro	BWG-18	A Product of Metro International Pakistan.	Unsafe	Safe
8.	Oriel	BWG-20	Wasco International (Pvt) Ltd. 061-6007773 Email : orielwasco@gmail.com	Unsafe	Unsafe
9.	Al-Haider pure	BWG-33	Gulshan Iqbal park china chowk Sialkot Pakistan.	Unsafe	Safe
10.	Zenith	BWG-48	Street#02 plot(195) sector I-9/3-2 Islamabad Ph:0343-8957834	Safe	Unsafe
11.	Premier	BWG-61	19-km, Near High noon Laboratories Multan Road, Lahore.	Unsafe	Safe
12.	Days Pure	BWG-68	Days pure Lahore-54000 Pakistan	Unsafe	Safe
13.	Aqua National	BWG-74	Mill Brothers: 8-KM, GT Road, Shahdara Lahore	Unsafe	Safe
14.	Pak Spring	BWG-79	G.T Road Ghakhar city Lahore. 03005008384	Unsafe	Safe
15.	Nation	BWG-84	Ramez Enterprises: 9-KM, GT Road, Rachna Town, Shahdara Lahore	Unsafe	Safe
16.	Mazan Pure Life	BWG-88	Maza Fresh Foods Jaa-Af Licence # D-0.2-1836	Unsafe	Safe
17.	Al-Khair	BWG-89	Reg No. BWP-465	Unsafe	Safe
18.	Pineo	BWG-90	Gysing Pak PSIE, Bahawalpur	Unsafe	Safe

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Sr. No	Brand Name	Code	Address/ Manufacturer	Quality (Safe/Unsafe)	
				Chemical	Microbiological
			gysing@live.com		
19.	Zindagi	BWG-95	A product of Zindagi International. 021-35432052	Unsafe	Safe
20.	Miracle	BWG-98	The Miracle Product (Pvt), Ltd. Plot # WSA-23, Block 14, FB Area, Karachi.	Safe	Unsafe
21.	Orion	BWG-99	Orion Foods: Site E-1, Suit No.2, Defence View Phase III, Karachi	Unsafe	Safe
22.	Niamat	BWG-118	Boby Plaza Compound Opp. Govt. Munshi hospital Ring Road, Lahore	Unsafe	Safe
23.	Nahla	BWG-119	Enviro-Pak Services & Technology Shahzad Street Link Jinnah Road Gujrat	Safe	Unsafe

MARKET CONSISTENCY IN TWO NEIGHBORING QUARTERS

Sr. No	Consistent Brands	New Brands	Unavailable Brands
1.	Al-Hawa	Safi	Viz
2.	Aqua Smart	Vital Happy Life	N N Water
3.	Springley	Mary Gold	Aqua fina
4.	Super Natural	Rachna	Fresco Healthy Water
5.	Crystal Pure Water	Zim	Arbo
6.	Hi-Fresh	Aquwa Plus	Sunlay
7.	Khush Aab	Classic	Al-Sahar
8.	NEBRASAKA	Well Care	Livon
9.	Aquatic Fresh	Coral	Jumeirah
10.	Aqua Splash	Sawera	1-Water
11.	Ice Well	20Pure Fresh	Pure-18
12.	Eco	Metro	Safe Life
13.	Jers	Aqua 7	Pure Pani
14.	Vina	Oriel	Zindagi plus
15.	Bake Master	Every	Fiji
16.	Aqua Save	Pure it	Culligan
17.	Al-Shalal	Unique water	Active
18.	Isberg	Vivian	Oxy water
19.	Al-Haider Pure	Blessing	Aqua RO7
20.	Athar	Heaven pure	Kinley
21.	Rise	Oniex water	Blu'in
22.	Nestle	Water icon	Sipwell
23.	Aqua hygienic(Lahore)	Valley	Sparkle
24.	Aqua classic	Zenith	Sky star
25.	Venora	Maher	Franzy water
26.	Deep spring	Drink Pure	Dewan
27.	Hydra	Aqua Pro	Aqua safe
28.	Deosai	Krisco	Fresco
29.	Nectar	Butt Water Fresh	Profavor
30.	Aab-e-Rahat	Premier	Verbena
31.	ICE Cube	Pura fine	Hayat
32.	Sufi	Ajwa	Onega
33.	Doce	Mushroom Aqua	Maple dew
34.	Gays pure	Natural	Prime water
35.	Aftab Qarshi	Aqua Dew	Aqua Hayat
36.	Gourmet water	Aquanza	Moya mineral water

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



37.	Aqua National	Doctor's Water	Natural Aqwah
38.	Ziran	Pak Spring	Aab-e-khoob
39.	Muree Sparkletts	Cozy Water	Ariana
40.	Nation	Fazal-e-Haq	Drop Ice
41.	Atlantis	Aqua Gen	Aqua pure
42.	Mazan Pure Llife	Shah Jahani	
43.	Al-Khair	Al-Minhal	
44.	Aqua higienice (Quetta)	Ripple	
45.	Pineo Water	Ecofina	
46.	Blu Water	NASH	
47.	Piyyas	Defence	
48.	Leven	Evo Fresh	
49.	Zindagi	Aqua Arabia	
50.	Crystal Maya	Al-Habib	
51.	Miracle	Droplet	
52.	Orion	Nahla	
53.	Queerish	Buxton	
54.	Jel	Water plus	
55.	DAM		
56.	Afra		
57.	Noble		
58.	Aqua Blue Drops		
59.	NG Fresh Water		
60.	Pearl		
61.	Pak Life		
62.	Infinity		
63.	Niamat		
64.	Paradise		
65.	Askari		

DISEASE POTENTIAL 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	119	-
2.	Overall safe brands	96	81
3.	No. of overall unsafe brands	23	19
4.	No. of Chemically safe brands	99	83
5.	No. of Chemically unsafe brands	20	17
6.	No. of Microbiologically safe brands	115	97

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



7.	No. of Microbiologically unsafe brands	04	03
8.	No. of Consistent brands in Market	65	55
9.	No. of brands disappeared from market	41	34
10.	No. of new brands	54	45

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 ₃	Cl	Na	F	PO ₄	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	NGVS	0.3	10	10	250	10	Total Coli forms 0/100 ml	E-Coli 0/100 ml
Detection Limits	-	0.2	0.02	0.287	-	2	1	5	5	2	1	0.03	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	Ppm	ppb	MPN /100ml	MPN /100ml
Safi	BWG-01	BDL	7.01	744	409	64	29	280	250	26	50	0.25	BDL	BDL	4.3	1	93	1	Nil	Nil
Al-Hawa	BWG-02	BDL	7.49	677	372	20	15	110	260	36	116	0.49	BDL	BDL	2.8	0.7	33	2	Nil	Nil
Vital Happy Life	BWG-03	BDL	6.63	223	123	20	17	120	30	60	6	BDL	BDL	BDL	1.6	0.04	9	BDL	Nil	Nil
Aqua Smart	BWG-04	BDL	7.84	317	174	48	5	140	130	16	14	0.31	BDL	BDL	8.6	0.1	22	37	Nil	Nil
Mary Gold	BWG-05	BDL	7.29	289	159	20	12	100	50	36	25	0.06	BDL	BDL	0.2	0.5	39	0.4	Nil	Nil
Springley	BWG-06	BDL	7.41	524	288	84	5	230	220	12	21	0.28	BDL	BDL	1.3	3	18	0.3	Nil	Nil
Super Natural	BWG-07	BDL	6.55	485	267	60	12	200	40	82	26	0.14	BDL	BDL	1.0	0.5	72	BDL	Nil	Nil
Rachna	BWG-08	BDL	7.28	359	197	40	7	130	70	60	21	0.05	BDL	BDL	5.6	0.1	24	BDL	Nil	Nil
Zim	BWG-09	BDL	7.50	299	164	40	2	110	50	48	24	BDL	BDL	BDL	BDL	BDL	29	7	Nil	Nil
Aquwa Plus	BWG-10	BDL	6.05	473	260	36	7	120	45	96	50	BDL	BDL	BDL	3.4	2.5	34	0.5	Nil	Nil
Crystal Pure Water	BWG-11	BDL	6.79	428	235	BDL	15	60	40	82	72	BDL	BDL	BDL	0.8	6	30	BDL	Nil	Nil
Hi-Fresh	BWG-12	BDL	6.76	228	125	20	7	80	40	30	19	0.06	BDL	BDL	BDL	1.2	35	BDL	Nil	Nil
Khush Aab	BWG-13	BDL	7.01	414	244	44	10	50	40	98	40	BDL	BDL	BDL	0.2	0.1	40	0.5	Nil	Nil
Classic	BWG-14	BDL	7.41	415	228	48	10	160	80	62	29	BDL	BDL	BDL	2.6	BDL	40	3	Nil	Nil
Well Care	BWG-15	BDL	7.13	490	270	24	12	110	130	28	74	BDL	BDL	BDL	2.6	0.2	70	11	Nil	Nil

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

July-September, 2015

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Brand Name	Brand Code	Turbidity	pH	EC	TDS	Ca	Mg	Hard	HCO ₃	Cl	Na	F	PO ₄	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	NGVS	0.3	10	10	250	10	Total Coli forms 0/100 ml	E-Coli 0/100 ml
Detection Limits	-	0.2	0.02	0.287	-	2	1	5	5	2	1	0.03	0.03	0.03	0.2	0.06	0.4	0.1	-	-
Sawera	BWG-16	BDL	7.26	354	195	40	5	120	80	30	26	BDL	BDL	BDL	2.3	BDL	48	12	Nil	Nil
Pure Fresh	BWG-17	BDL	7.33	410	226	20	7	80	140	18	66	BDL	BDL	BDL	2.8	BDL	39	22	Nil	Nil
Metro	BWG-18	BDL	7.13	444	244	20	17	160	110	26	66	BDL	BDL	BDL	1.8	BDL	52	6	Nil	Nil
Aqua 7	BWG-19	BDL	7.10	449	247	56	6	165	60	84	16	BDL	BDL	BDL	2.8	BDL	24	2	Nil	Nil
Oriel	BWG-20	BDL	7.47	299	164	40	12	150	130	16	14	0.07	BDL	BDL	2.4	0.1	27	38	08	Nil
NEBRASKA	BWG-21	BDL	6.90	416	229	40	17	170	50	82	11	0.08	BDL	BDL	0.2	0.3	42	BDL	Nil	Nil
Aquatic Fresh	BWG-22	BDL	7.84	602	331	40	34	240	230	48	29	0.35	BDL	BDL	3.2	7	41	0.5	Nil	Nil
Aqua Splash	BWG-23	BDL	7.10	371	204	40	12	140	50	72	19	0.20	BDL	BDL	1.1	5.2	25	BDL	Nil	Nil
Ice Well	BWG-24	BDL	7.15	324	178	40	10	240	70	55	20	0.10	BDL	BDL	0.2	0.1	26	0.9	Nil	Nil
Eco	BWG-25	BDL	6.70	365	201	40	10	140	70	56	29	BDL	BDL	BDL	0.8	0.12	39	0.4	Nil	Nil
Jers	BWG-26	BDL	7.01	362	199	40	7	130	50	65	23	BDL	BDL	BDL	0.6	BDL	36	1	Nil	Nil
Coral	BWG-27	BDL	7.20	403	222	52	10	170	80	72	15	0.07	BDL	BDL	BDL	BDL	28	0.2	Nil	Nil
Vina	BWG-28	BDL	6.55	217	119	20	10	90	35	45	10	0.09	BDL	BDL	0.2	0.1	20	BDL	Nil	Nil
Bake master	BWG-29	BDL	7.07	290	160	20	19	130	40	50	11	0.10	BDL	BDL	1.1	0.1	22	0.6	Nil	Nil
Aqua Save	BWG-30	BDL	7.28	373	205	40	15	150	50	48	9	0.05	BDL	BDL	0.5	0.1	13	0.3	Nil	Nil
Al- Shalal	BWG-31	BDL	7.49	352	194	36	17	160	145	24	16	0.18	BDL	BDL	3.6	0.24	2	5	Nil	Nil
Isberg	BWG-32	BDL	7.08	226	124	20	12	80	100	48	12	0.14	BDL	BDL	0.06	0.1	12	2	Nil	Nil
Al-Haider pure	BWG-33	BDL	7.37	363	200	12	10	70	85	72	27	BDL	BDL	BDL	40.0	0.1	1	0.2	Nil	Nil
Athar	BWG-34	BDL	7.64	461	254	20	27	160	240	16	38	0.18	BDL	BDL	4.4	0.3	6	0.9	Nil	Nil
Rise	BWG-35	BDL	7.49	288	158	20	17	120	125	14	22	0.07	BDL	BDL	1.5	0.1	12	0.7	Nil	Nil
Nestle	BWG-36	BDL	7.95	404	222	40	17	170	45	96	12	0.07	BDL	BDL	BDL	BDL	30	BDL	Nil	Nil

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

July-September, 2015

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Brand Name	Brand Code	Turbidity	pH	EC	TDS	Ca	Mg	Hard	HCO ₃	Cl	Na	F	PO ₄	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	NGVS	0.3	10	10	250	10	Total Coli forms 0/100 ml	E-Coli 0/100 ml
Detection Limits	-	0.2	0.02	0.287	-	2	1	5	5	2	1	0.03	0.03	0.03	0.2	0.06	0.4	0.1	-	-
Aqua hygienic	BWG-37	BDL	7.21	390	215	40	15	160	50	96	11	0.09	BDL	BDL	BDL	0.1	10	BDL	Nil	Nil
Aqua classic	BWG-38	BDL	7.95	305	168	30	11	120	50	65	17	0.22	BDL	BDL	0.4	0.2	27	BDL	Nil	Nil
Every	BWG-39	BDL	7.51	701	386	80	7	230	250	48	50	0.38	BDL	BDL	6.1	3.2	49	3	Nil	Nil
Pure it	BWG-40	BDL	6.78	370	204	40	15	160	50	82	7	0.04	BDL	BDL	0.4	BDL	22	0.2	Nil	Nil
Unique water	BWG-41	BDL	7.52	404	222	40	22	190	200	12	11	0.07	BDL	BDL	5.5	0.1	6	6	Nil	Nil
Vivian	BWG-42	BDL	6.95	103	57	12	5	50	40	16	5	BDL	BDL	BDL	0.7	0.3	BDL	1	Nil	Nil
Blessing	BWG-43	BDL	6.99	344	189	40	10	140	50	72	9	BDL	BDL	BDL	0.4	0.3	8	BDL	Nil	Nil
Heaven pure	BWG-44	BDL	7.04	502	276	40	17	170	100	78	29	BDL	BDL	BDL	0.3	0.7	39	0.4	Nil	Nil
Oniex water	BWG-45	BDL	7.27	453	249	28	22	160	100	72	31	0.04	BDL	BDL	0.4	0.3	38	BDL	Nil	Nil
Water icon	BWG-46	BDL	6.50	284	156	32	11	125	30	72	5	BDL	BDL	BDL	1.6	0.2	18	BDL	Nil	Nil
Valley	BWG-47	BDL	7.29	435	239	44	19	190	160	18	9	0.21	BDL	BDL	1.2	2	25	0.8	Nil	Nil
Zenith	BWG-48	BDL	6.51	280	154	16	22	130	50	60	5	BDL	BDL	BDL	0.5	0.7	18	BDL	02	Nil
Venora	BWG-49	BDL	7.45	292	161	28	19	150	100	18	3	0.15	BDL	BDL	0.6	1.5	30	BDL	Nil	Nil
Water plus	BWG-50	BDL	6.77	366	201	40	17	170	140	24	7	0.18	BDL	BDL	0.4	2.5	15	0.1	Nil	Nil
Deep Spring	BWG-51	BDL	6.95	373	205	40	15	160	150	16	13	0.09	BDL	BDL	0.7	3	14	BDL	Nil	Nil
Hydra	BWG-52	BDL	7.12	337	185	40	5	120	140	18	22	0.17	BDL	BDL	0.6	1	12	BDL	Nil	Nil
Deosai	BWG-53	BDL	6.55	318	175	28	15	130	65	48	16	0.25	BDL	BDL	0.2	0.7	19	BDL	Nil	Nil
Maher	BWG-54	BDL	7.12	257	141	24	12	110	100	16	9	0.15	BDL	BDL	0.6	1.8	6	BDL	Nil	Nil
Nectar	BWG-55	BDL	7.20	380	209	40	15	160	140	26	13	0.07	BDL	BDL	0.9	4.5	16	BDL	Nil	Nil
Drink Pure	BWG-56	BDL	7.16	349	192	24	10	100	80	48	29	0.46	BDL	BDL	1.0	0.4	22	1	Nil	Nil
Aab-e-Rahat	BWG-57	BDL	6.53	219	120	20	12	100	40	46	7	BDL	BDL	BDL	0.2	BDL	14	0.5	Nil	Nil
Aqua Pro	BWG-58	BDL	6.81	256	141	36	7	120	40	60	7	BDL	BDL	BDL	0.2	BDL	20	0.4	Nil	Nil

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

July-September, 2015

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Brand Name	Brand Code	Turbidity	pH	EC	TDS	Ca	Mg	Hard	HCO ₃	Cl	Na	F	PO ₄	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	NGVS	0.3	10	10	250	10	Total Coli forms 0/100 ml	E-Coli 0/100 ml
Detection Limits	-	0.2	0.02	0.287	-	2	1	5	5	2	1	0.03	0.03	0.03	0.2	0.06	0.4	0.1	-	-
Krisco	BWG-59	BDL	6.87	342	188	24	22	150	50	60	9	0.07	BDL	BDL	0.2	0.1	40	0.8	Nil	Nil
Butt Water Fresh	BWG-60	BDL	7.33	378	208	36	10	130	60	72	20	BDL	BDL	BDL	0.2	0.1	15	1	Nil	Nil
Premier	BWG-61	BDL	7.48	390	215	20	12	100	150	24	46	0.11	BDL	BDL	1.3	0.1	27	17	Nil	Nil
ICE Cube	BWG-62	BDL	6.90	229	164	20	17	120	60	48	9	BDL	BDL	BDL	0.3	BDL	18	2	Nil	Nil
Suffi	BWG-63	BDL	6.88	352	194	40	12	150	50	80	11	BDL	BDL	BDL	0.3	BDL	18	0.8	Nil	Nil
Doce	BWG-64	BDL	6.32	299	164	24	10	100	50	56	18	BDL	BDL	BDL	0.5	0.1	20	1	Nil	Nil
Pura fin	BWG-65	BDL	6.78	406	223	40	18	175	70	80	13	0.03	BDL	BDL	0.2	0.1	35	0.7	Nil	Nil
Ajwa	BWG-66	BDL	7.31	372	205	24	15	120	90	62	29	BDL	BDL	BDL	0.2	0.1	17	0.7	Nil	Nil
Mushroom Aqua	BWG-67	BDL	7.74	443	244	20	36	200	200	14	11	0.14	BDL	BDL	1.2	2.5	14	0.2	Nil	Nil
Days pure	BWG-68	BDL	7.15	257	141	30	9	110	50	60	13	0.05	BDL	BDL	0.2	0.1	9	26	Nil	Nil
Aftab Qarshi	BWG-69	BDL	7.34	334	184	40	17	150	50	180	3	0.04	BDL	BDL	0.2	BDL	17	3	Nil	Nil
Aqua(Hygienic)	BWG-70	BDL	6.69	400	220	40	10	120	65	82	16	0.29	BDL	BDL	1.2	0.1	8	0.1	Nil	Nil
Natural	BWG-71	BDL	7.49	318	175	40	12	150	50	65	11	BDL	BDL	BDL	0.2	BDL	32	0.2	Nil	Nil
Aqua Dew	BWG-72	BDL	6.88	395	217	40	12	150	100	70	20	BDL	BDL	BDL	1.7	0.7	10	7	Nil	Nil
Gourmet Water	BWG-73	BDL	6.83	382	210	40	12	150	70	72	16	BDL	BDL	BDL	0.3	BDL	22	0.7	Nil	Nil
Aqua National	BWG-74	BDL	7.73	295	162	20	22	140	120	14	5	0.25	BDL	BDL	1.6	0.2	18	61	Nil	Nil
Ziran	BWG-75	BDL	6.93	358	197	24	17	130	70	72	18	0.03	BDL	BDL	0.9	BDL	13	0.2	Nil	Nil
Muree	BWG-76	BDL	7.32	375	206	20	27	160	150	16	7	0.13	BDL	BDL	1.0	2.3	10	0.3	Nil	Nil

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

July-September, 2015

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Brand Name	Brand Code	Turbidity	pH	EC	TDS	Ca	Mg	Hard	HCO ₃	Cl	Na	F	PO ₄	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	NGVS	0.3	10	10	250	10	Total Coli forms 0/100 ml	E-Coli 0/100 ml
Detection Limits	-	0.2	0.02	0.287	-	2	1	5	5	2	1	0.03	0.03	0.03	0.2	0.06	0.4	0.1	-	-
Sparkletts																				
Aquanza	BWG-77	BDL	7.33	456	251	24	22	150	165	24	31	0.11	BDL	BDL	2.7	0.4	38	3	Nil	Nil
Doctor's Water	BWG-78	BDL	7.15	387	213	20	22	140	45	85	17	BDL	BDL	BDL	0.3	BDL	24	1	Nil	Nil
Pak Spring	BWG-79	BDL	7.35	357	196	24	26	150	150	60	9	0.06	BDL	BDL	3.7	0.1	1	27	Nil	Nil
Cozy Water	BWG-80	BDL	6.60	342	188	24	22	150	50	72	8	0.05	BDL	BDL	0.7	0.2	30	0.1	Nil	Nil
Fazal-e-Haq	BWG-81	BDL	5.95	309	170	28	15	130	10	72	BDL	BDL	BDL	BDL	0.3	BDL	28	BDL	Nil	Nil
Aqua Gen	BWG-82	BDL	6.50	370	204	20	17	120	50	72	20	0.05	BDL	BDL	0.3	BDL	22	1	Nil	Nil
Shah Jahani	BWG-83	BDL	7.23	431	237	20	24	150	70	72	28	0.04	BDL	BDL	0.3	2.3	35	0.9	Nil	Nil
Nation	BWG-84	BDL	7.71	475	261	20	17	120	160	16	44	0.23	BDL	BDL	1.8	0.1	28	25	Nil	Nil
Al-Minhal	BWG-85	BDL	6.53	329	181	20	17	120	20	82	13	1.56	BDL	BDL	0.2	0.1	16	0.3	Nil	Nil
Ripple	BWG-86	BDL	6.50	383	211	20	24	150	25	82	6	BDL	BDL	BDL	2.1	0.4	29	BDL	Nil	Nil
Atlantis	BWG-87	BDL	6.84	329	181	20	24	150	65	60	6	0.06	BDL	BDL	0.4	1.1	7	0.1	Nil	Nil
Mazan Pure Life	BWG-88	BDL	6.55	618	340	BDL	15	60	50	108	90	0.09	BDL	BDL	18.0	0.3	54	0.5	Nil	Nil
Al-Khair	BWG-89	BDL	7.47	728	400	30	43	250	220	60	48	0.43	BDL	BDL	4.7	0.25	47	68	Nil	Nil
Pineo	BWG-90	BDL	7.33	445	245	24	29	180	160	30	29	0.22	BDL	BDL	3.4	0.1	23	24	Nil	Nil
Ecofina	BWG-91	BDL	6.80	343	189	24	15	120	80	60	27	0.06	BDL	BDL	0.3	0.2	18	BDL	Nil	Nil
Blue Water	BWG-92	BDL	6.94	296	163	32	9	115	40	60	14	0.02	BDL	BDL	0.4	0.1	30	1	Nil	Nil

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

July-September, 2015

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Brand Name	Brand Code	Turbidity	pH	EC	TDS	Ca	Mg	Hard	HCO ₃	Cl	Na	F	PO ₄	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	NGVS	0.3	10	10	250	10	Total Coli forms 0/100 ml	E-Coli 0/100 ml
Detection Limits	-	0.2	0.02	0.287	-	2	1	5	5	2	1	0.03	0.03	0.03	0.2	0.06	0.4	0.1	-	-
Piyyas	BWG-93	BDL	7.77	5.38	296	28	27	180	100	80	42	0.11	BDL	BDL	1.5	0.12	40	9	Nil	Nil
Leven	BWG-94	BDL	6.65	407	224	28	10	110	40	84	26	0.09	BDL	BDL	3.3	0.58	26	BDL	Nil	Nil
Zindagi	BWG-95	BDL	7.13	392	216	20	12	100	40	89	18	0.07	BDL	BDL	34.0	0.23	8	0.2	Nil	Nil
Crystal Maya	BWG-96	BDL	7.86	413	227	28	15	130	40	72	31	0.07	BDL	BDL	1.3	0.15	43	BDL	Nil	Nil
NASH	BWG-97	BDL	6.60	189	104	16	2	50	30	36	24	0.09	BDL	BDL	0.2	1.43	14	BDL	Nil	Nil
Miracle	BWG-98	BDL	7.12	343	189	24	10	100	50	60	36	0.23	BDL	BDL	3.7	2	28	BDL	04	Nil
Orion	BWG-99	BDL	7.32	844	464	16	10	80	70	159	150	0.24	BDL	BDL	6.2	1.15	78	0.9	Nil	Nil
Askari	BWG-100	BDL	7.02	343	189	24	17	130	45	60	24	0.14	BDL	BDL	0.4	0.41	36	BDL	Nil	Nil
Queerish	BWG-101	BDL	6.50	378	208	24	2	70	50	70	56	0.06	BDL	BDL	1.8	0.71	28	BDL	Nil	Nil
Al-Habib	BWG-102	BDL	7.50	466	256	24	10	120	65	65	64	0.48	BDL	BDL	2.4	3.20	45	BDL	Nil	Nil
Evo Fresh	BWG-103	BDL	7.18	331	182	20	10	90	50	56	38	0.15	BDL	BDL	3.4	0.23	39	1	Nil	Nil
Jel	BWG-104	BDL	6.85	334	184	20	7	80	50	74	40	0.11	BDL	BDL	0.4	2	20	BDL	Nil	Nil
Aqua Arabia	BWG-105	BDL	7.34	282	155	24	10	100	30	67	6	0.05	BDL	BDL	10	0.31	17	BDL	Nil	Nil
DAM	BWG-106	BDL	7.13	302	166	28	12	120	50	60	16	0.12	BDL	BDL	BDL	1.06	29	BDL	Nil	Nil
Defence	BWG-107	BDL	6.86	466	256	40	5	120	50	113	48	0.10	BDL	BDL	8.6	1.80	5	BDL	Nil	Nil
Droplet	BWG-108	BDL	6.75	250	138	20	12	100	40	58	16	0.28	BDL	BDL	BDL	0.17	16	BDL	Nil	Nil
Afra	BWG-109	BDL	7.52	410	226	40	15	160	30	89	12	0.04	BDL	BDL	BDL	BDL	29	BDL	Nil	Nil

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

July-September, 2015

PCRWR QUARTERLY REPORT-BOTTLED WATER QUALITY



Brand Name	Brand Code	Turbidity	pH	EC	TDS	Ca	Mg	Hard	HCO ₃	Cl	Na	F	PO ₄	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	NGVS	0.3	10	10	250	10	Total Coli forms 0/100 ml	E-Coli 0/100 ml
Detection Limits	-	0.2	0.02	0.287	-	2	1	5	5	2	1	0.03	0.03	0.03	0.2	0.06	0.4	0.1	-	-
Noble	BWG-110	BDL	7.59	416	229	40	17	170	40	96	15	BDL	BDL	BDL	0.2	BDL	28	BDL	Nil	Nil
Aqua Blue Drops	BWG-111	BDL	6.98	391	215	12	29	150	40	96	14	0.08	BDL	BDL	4	0.67	5	BDL	Nil	Nil
Buxton	BWG-112	BDL	7.12	501	276	20	19	130	40	84	48	0.11	BDL	BDL	1.7	0.23	61	BDL	Nil	Nil
NG Fresh Water	BWG-113	BDL	6.77	743	409	24	22	150	80	128	88	0.19	BDL	BDL	3.0	0.32	57	BDL	Nil	Nil
Pearl	BWG-114	BDL	7.35	354	195	32	17	150	30	74	6	0.09	BDL	BDL	3.4	BDL	36	BDL	Nil	Nil
Pak Life	BWG-115	BDL	7.64	409	225	40	15	160	30	86	14	BDL	BDL	BDL	0.2	BDL	30	BDL	Nil	Nil
Infinity	BWG-116	BDL	6.90	359	197	32	10	100	60	46	30	0.05	BDL	BDL	0.4	2.71	36	BDL	Nil	Nil
Paradise	BWG-117	BDL	6.90	396	218	23	7	110	60	67	42	BDL	BDL	BDL	0.3	BDL	27	BDL	Nil	Nil
Niamat	BWG-118	BDL	7.35	310	171	24	10	100	50	74	30	BDL	BDL	BDL	0.6	BDL	18	13	Nil	Nil
Nahla	BWG-119	BDL	7.49	315	173	28	7	100	50	54	30	BDL	BDL	BDL	BDL	BDL	28	BDL	06	Nil

NGVS =No Guideline Value Set

BDL = Below Detection Limits

* Microbiological results have also been verified by IDEXX (Quanti-Tray/2000 USA) and Membrane Filtration (CFU/100ml, 9222-B&D APHA) Methods.

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

July-September, 2015