

**PAKISTAN COUNCIL OF RESEARCH IN WATER RESOURCES**

Ministry of Science & Technology, Government of Pakistan

Khiaban-e-Johar, H-8/1, Islamabad

www.pcrwr.gov.pk**WATER QUALITY TEST REPORT (CHEMICAL ANALYSIS)**

Report Serial No	Chem-27	Total No. of Pages	01
Client Name & Address	Mr.Irfan, Islamabad.		
Sampling Date	04-4-19	Sampling Time	03:00 (pm)
NWQL Sample Code.	INT-MCL-27-19	Client Code	Filtered Water
Temperature of sample at receipt °C	17 °C	Sample Receipt Date	04-4-19
Date (s) of Analysis	04-4-19 to 04-4-19	Reporting Date	05-4-19

Sr. #	Water Quality Parameter	Units	Det. Limit	Reference Method	Permissible Limits (PSQCA/NSDWQ, 2010)	Results
1.	Color	-	-	Sensory evaluation	Colorless	Colorless
2.	Electrical Conductivity	(μ S/cm)	0.3	APHA, 22 nd Edition	NGVS	790
3.	pH	-	0.03	APHA, 22 nd Edition	6.5-8.5	7.63
4.	Turbidity	NTU	0.2	APHA, 22 nd Edition	<5	BDL
5.	Alkalinity as CaCO ₃	ppm	-	APHA, 22 nd Edition	NGVS	340
6.	Bicarbonate	ppm	5.0	APHA, 22 nd Edition	NGVS	340
7.	Calcium	ppm	2.0	APHA, 22 nd Edition	NGVS	80
8.	Carbonate	ppm	5.0	APHA, 22 nd Edition	NGVS	BDL
9.	Chloride	ppm	2.0	APHA, 22 nd Edition	250	40
10.	Hardness	ppm	5.0	APHA, 22 nd Edition	500	260
11.	Magnesium	ppm	1.0	APHA, 22 nd Edition	NGVS	15
12.	Potassium	ppm	0.2	APHA, 22 nd Edition	NGVS	17.0
13.	Sodium	ppm	1.0	APHA, 22 nd Edition	NGVS	76
14.	Sulfate	ppm	0.4	APHA, 22 nd Edition	NGVS	27
15.	Nitrate (N)	ppm	0.06	APHA, 22 nd Edition	10	2
16.	TDS	ppm	-	APHA, 22 nd Edition	1000	435

NGVS: No Guideline Value Set WHO: World Health Organization APHA: American Public Health Association, BDL: Below Detection Limit, QC: Quality Control CSS: Customer Service Section, PSQCA: Pakistan Standard Quality Control Authority, NEQS: National Environment Quality Standards, NSDWQ: National Standard for Drinking Water Quality

Quality of Water	Safe <input checked="" type="checkbox"/>	Unsafe <input type="checkbox"/>
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Terms & Conditions:

- Test results in this report relate only to the test item/sample submitted and tested.
- The test report shall not be reproduced except in full, without written approval of NWQL-PCRWR
- Water Quality Parameters exceeding the WHO Drinking Water Guideline values (Guidelines for Drinking-Water Quality, third editions, 2004) National Environmental Quality Standards (1999) and Pakistan Standard Quality Control Authority/National Standard for Drinking Water Quality (PAKEPA, 2010) are highlighted.

Prepared by		Tech. Manager (Chem.)		Tech. Manager (QC)	
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