

National Water Quality Laboratory

CHEMICAL & MICROBIOLOGY LABORATORY

	PAKISTAN COUNCIL OF RESEARCH IN WATER RESOURCES Ministry of Water Resources, Government of Pakistan Khayban-e-Johar, H-8/1, Islamabad www.pcrwr.gov.pk	 LAB 48 17025
TEST REPORT CHEMICAL		

Report Serial No	AR-05513	Total No of Pages	1
Customer Name & Address	Ammad Farooq, Airport Housing Society, Islamabad.		
Sampling Date & Time	28-02-2024 , 11:55 AM	Customer Code	FILTER WATER
NWQL Sample Code	CL-11940-24	Sample Receipt Date & Time	28-02-2024 02:02
Temperature of Sample at receipt °C	12	Humidity (%) at Receipt	44
Date(s) of Analysis	28-02-2024 to 13-03-2024	Reporting Date	15-3-2024

MAJOR CHEMICAL PARAMETERS

Sr.#	Water Quality Parameter	Units	Det. Limit	Reference Methods	Permissible Limits / Tolerance Limit	Results	Measurement Uncertainty U=w
					Potable Water (PSQCA / NSDWQ, 2010)		
1	Total Hardness	mg/L	5.0	APHA, 24 th Edition	< 500	302.00	± 8%

NGVS: No Guideline Value Set

WHO: World Health Organization

MPN: Most Probable Number

PSQCA: Pakistan Standard Quality Control Authority

NSDWQ: National Standards for Drinking Water Quality

BDL: Below Detection Limit

MPN: Most Probable Number

**It is equals to zero and it is reported as safe

APHA: American Public Health Association,

FAO: Food & Agriculture Organization

USEPA: United States Environmental Protection Agency

AOAC: Association of Official Analytical Chemists

CFU: Colony Forming Unit

QC: Quality control

*Non Accredited

Interpretation (Statement of Conformity).

Quality of water sample based on tested chemical parameter	✓ Safe	Unsafe
Remarks (if any)		

* Verified by technical manager & authorized by QC manager.

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 (NSDWQ, 2010, PAKEPA) are highlighted.
- Safe - acceptance based on guard band; if the measurement result being below the acceptance limit, $AL = TL - w$. the risk of accepted items to be outside the tolerance limit is $< 2.5\%$.
- Unsafe - rejection based on guard band; if the measurement result is above the acceptance limit, $AL = TL - w$. the risk to be inside the tolerance limit is $< 2.5\%$. (ILAC-G8:09/2019).

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