



# TESTING & CONSULTANCY CELL

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## GURU NANAK DEV ENGINEERING COLLEGE

An Autonomous College u/s 2(f) and 12(B) of UGC Act 1956

"A" Grade NAAC Accredited ISO: 9001 : 2015 Certified, Punjab Govt. Aided Status

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No. GNDEC/TCC/R/ 969

Dated: 29.03 2023

To

Principal,  
Nanakana Sahib Public School,  
Rampur Chhanna, PO Amargarh, Tehsil Malerkota,  
Distt. Sangrur.

Sub: Analysis of water samples for drinking purposes.

Ref: Your letter No.NSPS/6325/2022-23 dated 27.03.2023

Sir,

The result of water sample for drinking purposes sent by you is as under:

Parameters	Result	Permissible limits as
pH	7.10	6.5-8.5
Colour, (Hazen Units)	<5	<5 Hazen Units
Taste & Odour	Agreeable	Agreeable or Objectionable
Turbidity (NTU)	0.70	1.0
Total Hardness (as Ca CO <sub>3</sub> ) (mg/l)	150	300
Iron, (mg/l)	N.D.	0.3
Chlorides, Cl <sup>-</sup> (mg/l)	20	250
Fluoride (mg/l)	0.20	1.0
Calcium, Ca <sup>2+</sup> (mg/l)	38	75
Magnesium, Mg <sup>2+</sup> (mg/l)	12	30
Copper, Cu (mg/l)	N.D.	0.5
Manganese, (mg/l)	N.D.	0.1
Sulphates (SO <sub>4</sub> <sup>2-</sup> ) (mg/l)	42.0	200
Nitrates, NO <sub>3</sub> <sup>-</sup> (mg/l)	3.40	45
Arsenic, (mg/l)	N.D.	0.01
Zinc, (mg/l)	N.D.	0.5
Total Chromium, (mg/l)	N.D.	NIL

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Parameters	Result	Permissible limits as
Total Coliform (100 ml)	Zero	Zero
Fecal Coliform (100 ml)	Zero	Zero
Total Alkalinity (mg/l)	135	200
TDS (mg/l)	360	500

**Water sample is fit for drinking purpose as per IS 10500 : 2012.**

**N.D.-Not detectable**

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**Dean Testing & Consultancy**  
**Dean (T & C)**  
**Guru Nanak Dev Engg. College**  
**Ludhiana**  
**(K21)**

**Terms & Conditions.**

The test report is being issued herewith

- 1) Reports the test results pertaining only to the specimens that have been submitted by the firm/ agency/ department/ contractor to the Testing & Consultancy cell (TCC).
- 2) That the TCC has no role in the sampling process and the procedure adopted by the firm, etc to obtain the samples and their location in the building.
- 3) That it do not guarantee the compliance of the mandated safety norms for the building/structure as a whole, from which the specimens have been taken and submitted by the addressee.
- 4)As such, it cannot be submitted in the court of law for any other purpose, except to present the test results pertaining to the specimens submitted for the testing by the addressee only.
- 5)The tested specimens will be deposed off after 3 days from the day of the testing, unless a written request is filed in the TCC to retain the specimens. For this purpose, Rs 100/ day has to be paid by the addressee along with the request.
- 6) The TCC or the college will not be responsible for any problem/ damage to the building/ structure caused by the non-compliance of the applicable code for which the agency executing the work is solely responsible.
- 7) This test report shall not be used for any sales promotion or advertisement