

Office of the Food Analyst, Food Laboratory, Jammu

No:- FSSA/J/ 1418

Dated:- 21-01-26

Subject:- Analytical report of the sample of DRINKING WATER.(01).

The analytical report of the sample of Drinking Water received from Principal Maharaja Hari Singh Agricultural Collegiate School Nagbani Jammu on 07/1/26 is as under:-

Analysis Report:-

Sample Description:- The sample was received in a plastic Bottle.

Physical Appearance:- Colourless & free from any visual suspended impurities.

| S.No. | Quality Characteristics | Name of the Method of test used | Result | Prescribed Standards as per (a)Food safety and standards (Food Produts and food Additives) regulations 2011 (b)As per label declaration for proprietary foods. (c) As per Provisions of the Act , Rules & regulations for both the above. |
|-------|-----------------------------------|---------------------------------|---------------|--|
| 1. | Suspended Impurities | Physical Appearance | Absent. | Absent |
| 2. | Colour | -----DO----- | Agreeable | Not more than 5 Hazen units/True colour units |
| 3. | Odour | Organoleptic Method | Agreeable | Agreeable |
| 4. | Total Dissolved solids | Gravimetric Method | 120.0mg/Litre | Not More than 500mg/litre |
| 5. | Residual free Chlorine | Chemical method | Absent | Not more than 0.2 mg/Litre |
| 6. | Chlorides (as Cl) | Titration method (BIS) | 17.73mg/Litre | Not more than 200 mg/Litre |
| 7. | Alkalinity (as HCO ₃) | -----DO----- | 133.0mg/Litre | Not more than 200 mg/Litre |
| 8. | Nitrites | A.W. Stewart method | Absent | Not more than 0.02 mg/Litre |
| 9. | PH | PH Meter | 7.2 | 6.5-8.5 |
| 10. | Turbidity | Turbidity Meter | ONTU | Not more than 2 Nephelometric turbidity unit (NTU) |
| 11. | Taste | Organoleptic method | Agreeable | Agreeable |

Microbiological parameter:-

| | | | | |
|----|---------------------------------|--------------|--------------------------------|--|
| 1. | Aerobic(Mesophilic) plate count | Fssai Manual | Less than the prescribed limit | Not more than 1x10 ¹ CFU/ML |
| 2. | Yeast & Mould | Fssai Manual | Absent | Absent |
| 3. | Coliform count | Fssai Manual | Absent | Absent |

Opinion:- The sample conforms to the standards prescribed for be Drinking water falling under Regulation No. 2.10.9(2) of Food Safety and Standards (Food Products Standards and Food Additives) Regulations 2011 read with Indian Standard IS-10500.

FOOD ANALYST
JAMMU & KASHMIR



Address:-

Principal

Maharaja Hari Singh Agricultural Collegiate School Nagbani

Jammu

Copy to the:-1.Commissioner of Food safety, J&K, Srinagar.