

**PUBLIC HEALTH ENGINEERING DEPARTMENT : WATER TESTING
LABORATORY FARIDABAD**

Physical & Chemical Analysis of water sample as per ISO:10500:2012

Lab No. : 26/04/2017

Memo No. & Date : 45, 17/04/2017

Location of sample collection : D.A.V Public School NTPC, Mujedi Road, Faridabad

Source of sample : Drinking Water

Date & time of collection: 12/04/2017 & 1:00 PM

Date & time of receipt: 17/04/03/2017 & 10:00AM

Person who collected the sample: Mr. Harinder (J.E)

| PARAMETER | RESULT | DESIRABLE LIMIT | MAXIMUM PERMISSIBLE LIMIT |
|------------------------------|-----------------|--------------------|---------------------------------|
| 1. Colour | Colourless | 5 Hazen Units | 15 Hazen Units |
| 2. Odour | Unobjectionable | Unobjectionable | Unobjectionable |
| 3. Taste | Agreeable | Agreeable | Agreeable |
| 4. Turbidity | Nil | 1 NTU | 5 NTU |
| 5. Total dissolved solids | 690 | 500mg/l | 2000mg/l |
| 6. Total hardness | 310 | 200mg/l | 600mg/l |
| 7. Calcium | 56 | 75mg/l | 200mg/l |
| 8. Magnesium | 40.8 | 30mg/l | 100mg/l |
| 9. Alkalinity | 310 | 200mg/l | 600mg/l |
| 10. Fluoride | 0.63 | 1mg/l | 1.5mg/l |
| 11. Iron | 0.01 | 0.3mg/l | 0.3mg/l |
| 12. Nitrate | 1.7 | 45mg/l | 45mg/l |
| 13. Sulphate | 13 | 200mg/l | 400mg/l |
| 14. Chloride | 340 | 250mg/l | 1000mg/l |
| 15. PH | 7.5 | 6.5 to 8.5 | No relaxation |

Note: Reliability of sample collection lies with Sender/Collector of sample.

Result: The Physical & Chemical analysis of water sample indicates that the water sample is Potable.

Sign. of sample collector

CHEMIST

P.H.E.D , Water Testing Lab.Faridabad