

BOD - Biochemical Oxygen Demand

ફેલ ડેખિયું ફેલ બનાવેલ 5 દિન થી 20°C તાપમાન

શિથિલ થઈ તે બાજીઆન- સ્વીકૃત O₂ પ્રમાણ વચ્ચે

બાજી BOD, Unit: mg/l or ppm, pure water

વલ value 1 mg/l, drinking water < 1 ppm.

COD - Chemical Oxygen Demand

બજી ફેલ મુજબ આજી તિનવલક કલ્ય મુજબ કલ્ય

તિનવલ બજીઆન ફેલ ડેખિયું ફેલ બનાવેલ આ K₂Cr₂O₇

મુજબ ફેલ વલ વલ અજીઆન બજીઆન O₂. COD

વલકી રાપીલ process. Unit gm/l.

Comparison of BOD

COD

1. More scientific.
2. BOD & COD not inter related
3. Only organic matters involve
4. Slow process
5. Both organic & Inorganic matters involve.
6. Rapid process.

TDS - Total dissolved solid.

તિનવલ બજીઆન ફેલ $\xrightarrow[-H_2O]{H}$ Dried mass is weighed

Total Solid = Suspended solid + Total Dissolved Solid
TS = SS + TDS

TDS = TS - SS

How Ground water get polluted

Natural sources

- ਫੁੱਲਿਕਾ, ਅਖ਼ਰੀਆ, ਖ਼ਾੜੀ ਨਾਲ, ਨਾਤੁਰਾ ਨਿਹਾਰਕ ਸ਼ਰਾਬ ਮੈਂਡਰ ਕਰਕੇ ਕਰਕੇ ਆੜੀ।

Man made sources

ਪੌੜੇ ਖ਼ਾੜੀ ਨਿਹਾਰਕ ਸ਼ਰਾਬ ਨਾਤੁਰਾ ਨਿਹਾਰਕ ਸ਼ਰਾਬ ਮੈਂਡਰ ਕਰਕੇ ਕਰਕੇ ਆੜੀ।

- i) Industry, ii) waste from Sewage iii) from agriculture iv) Radio Active pollution.

Q Treatment of water for Municipal purposes.

Q. Use of sea water as a source of Drinking water by Desalination. Electro Dialysis process.

Q. Standard Quality of drinking water

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