

IS 14543:2016

PACKAGED DRINKING WATER (OTHER THAN PACKAGED NATURAL MINERAL WATER)

Scope and Manufacture

This standard prescribes the requirements and methods of sampling and test for drinking water (other than natural mineral water) offered for sale in packaged form.

Packaged drinking water means water derived from surface water or underground water or sea water which is subjected to specified treatments. Treatment of water includes decantation, filtration, combination of filtration, aerations, filtration with membrane filter, depth filter, cartridge filter, activated carbon filtration, demineralization, remineralization, reverse osmosis and disinfection. Treatment shall be to a level that does not lead to any harmful contamination in the drinking water by means of chemical agents or physical methods to reduce the number of microorganisms to a level beyond scientifically accepted level for food safety or its suitability. Sea water, before being subjected to the above treatments, shall be subjected to desalination and related processes. The treated water shall be filled in sealed containers of various compositions, forms and capacities that is suitable for direct consumption without further treatment. In case remineralization is a part of the treatment process, the ingredients used shall be food grade quality and conform to the requirements of the FSS Act, 2006 and the Rules framed there under.'

Requirements

The standard specifies requirements for

- Microbiological Parameters
- Organoleptic and Physical Parameters,
- Substances Undesirable in Excessive Amounts,
- Toxic Substances,
- Radio-Active Residues and
- Pesticide residues

The standard also prescribes the Hygienic conditions to be followed by the manufacturer.