



## HOLISTA TRANZWORLD PRIVATE LIMITED

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Doc No : HTPL-SOP04

### Food Safety and Quality Management System

Issue/Rev : 1.0

#### Lab Test Procedure SOP

Date : 19.09.2022

## 4. pH Determination

### Purpose:

To provide a standard method for determining pH of the given water sample

### Scope:

The procedure covers the activities of QA department

### Responsibility:

The process chemist is responsible for performing the activity.

QA incharge is responsible for monitoring the effectiveness of the activity.

### Equipment / Reagents:

1. Calibrated pH meter
2. Glass beaker 250 ml
3. Wash bottle
4. Tissue paper
5. Magnetic stirrer
6. Distilled water
7. 3 M Potassium Chloride solution.

### Procedures:

1. Rinse the electrode thoroughly with distilled water and dry with tissue paper (do not wipe).
2. Pour the sample to be analysed into a 250 ml beaker.
3. Place on magnetic stirrer and swirl gently.
4. Lower the electrode into the beaker.
5. Read pH to the nearest 0.1 unit. Wait till the reading in the pH meter stabilizes.
6. Rinse electrode with distilled water and place in 3M Potassium Chloride storage solution.
7. Record results in Water Treatment Quality Control Report.

### Ref:

IS 3025-11 (1983): Methods of sampling and test

Prepared by

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