



# CALAMBA WATER DISTRICT

Lakeview Subdivision, Halang, Calamba City, Laguna  
Tel. Nos. 545-1614; 545-2863; 545-2728; 545-7895; Fax No. 545-9752  
[www.cwd.com.ph](http://www.cwd.com.ph)



PHP QMS 21 93 0047

## Procurement specification

### pH buffer solution, pH 4.00

- a. ready to use
- b. NIST-traceable or equivalent
- c. for pH meter calibration, with certificate/specification sheet
- d. 500 mL

### pH buffer solution, pH 7.00

- a. ready to use
- b. NIST-traceable or equivalent
- c. for pH meter calibration, with certificate/specification sheet
- d. 500 mL

### Brilliant Green Bile Broth

- a. dehydrated microbiological medium for detection/confirmation of coliform organisms
- b. manufacturer-sealed, with COA
- c. granules

### EC Broth

- a. dehydrated selective microbiological medium for confirmation and enumeration of presumptive *E. coli* by MPN technique
- b. manufacturer-sealed, with COA
- c. granules

Prepared by:

  
ETHEL O. PADERES

QUALITY CONTROL OFFICER



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## Procurement specification

### Lauryl Tryptose Broth

- a. dehydrated culture medium for presumptive coliform analysis
- b. pH  $6.8 \pm 0.2$ , microbiological grade, sealed moisture-resistant packaging,
- c. with COA and expiry label.

### Plate Count Agar

- a. dehydrated microbiological medium for heterotrophic/standard plate count
- b. pH  $7.0 \pm 0.2$ , microbiological grade, sealed moisture-resistant packaging
- c. with COA and expiry label.

### Sodium Thiosulfate

- a. analytical or laboratory grade, purity  $\geq 98\%$
- b. white crystalline form, water-soluble
- c. for dechlorination of water samples
- d. sealed chemical-resistant packaging
- e. with COA and expiry label

### Enzyme substrate test medium

- a. Detection and enumeration of total coliforms and *Escherichia coli* in water
- b. Sample volume: Suitable for 100 mL water sample
- c. Reading requirement: Results visible to the naked eye; no UV lamp required
- d. Compatible with MPN well-plate method
- e. Quality requirement: AOAC-certified / AOAC PTM or equivalent third-party validated method
- f. Manufacturer-sealed pack with product name, lot number, expiry date, and storage instructions
- e. Documentary requirement: Certificate of Analysis (COA), product insert / instructions for use, and Safety Data Sheet (SDS),

### Reusable MPN plate with lid and dispenser,

- a. at least 48 wells, sterilizable
- b. compatible with enzyme substrate test kit for detection and enumeration of total coliforms and *E. coli* in water.

### Sterile water sample containers with sodium thiosulfate

- a. 120 mL bottle with 100 mL fill line
- b. leak-proof screw cap, for microbiological sampling of chlorinated water
- c. sterile and ready to use

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