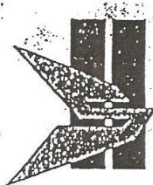


## Lampiran 5 Prosedur Wallwash test

DELNIR WATI



### **SCHUTTER FAR EAST (S) PTE. LTD.**

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#### **TANK SUITABILITY ASSURANCE** (Procedure for collection & analysis of wall wash sample)

##### 1. GENERAL / SCOPE

To determine the condition of tanks and test for its suitability to receive liquid chemicals or other liquid cargoes which are sensitive to impurities and contaminants.

##### 2. TYPES OF TESTS

###### **A. CHLORIDE DETERMINATION TEST**

Determines the level of Inorganic Chloride in liquid chemicals and aqueous solutions.

###### **B. WATER MISCIBILITY TEST**

To detect water-immiscible contaminants qualitatively.

###### **C. PERMANGANATE TIME TEST**

To detect presence of impurities.

##### 2. APPARATUS

###### **A. WASH BOTTLE WITH NOZZLE**

###### **B. CUT OUT FUNNEL**

###### **C. TRANSFER PIPET 3ML**

###### **D. NESSLER TUBES**

###### **E. DISTILLED or PURIFIED WATER**

###### **F. REAGENTS :**

- SILVER NITRATE SOLUTION
- STANDARD CHLORIDE SOLUTION
- POTASSIUM PERMANGANATE SOLUTION

##### 3. METHODS FOR COLLECTING WALL WASH SAMPLES

**NOTE :** METHANOL is always used for its high standard as tanks that passed wall wash test using METHANOL normally will have no problem loading other liquid cargoes. For other sensitive cargoes like ISOPROPYL ALCOHOL, ETHANOL, MONOETHYLENE GLYCOL, Etc, these cargoes should be used for the wall wash test to give actual indication of the tanks suitability to load that particular cargo.

- A. Always ensure sample to be used are certified and/or tested.
- B. Always ensure wash bottle and funnel are cleaned and free of contaminants by flushing them with METHANOL or the intended cargo to be used.
- C. Spray to as many spots/areas as possible and not leaving difficult corners as these are the areas normally less attended during tank cleaning.
- D. Collect about 400-500ml of samples to ensure that tests can be done at least twice.
- E. Rubber/Surgical must be worn while collecting samples.

Prepared by :

Date:

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