

**TRAVANCORE TITANIUM PRODUCTS LIMITED  
THIRUVANANTHAPURAM-21**

Following is the Specification of various Raw Materials for which Quotations are invited.

1. FILTERAID POWDER. (Tender No. CD/RM/5/11)

Diatomaceous white filter aid with only traces of metallic impurities suitable for the filtration of hydrated titania using Polyester filter cloth under suction.

Test Method for Filteraid

To 2 l of freshly precipitated titania containing 100g pl. of titanium dioxide, and 1g of filteraid and heat up to 60° C. Stir well and dip the filter leaf (0.1 s.ft area) fitted with standard filter cloth and connected to a suction pump for 2 minutes. Dewater the cake retained on the leaf for another 2 minutes under suction. Note the cake weight (wet) and calculate its solid content assuming 37% solids. Note the filtrate volume. The filtrate is then diluted and filtered through a No.47 Whatman Filter paper. The solid retained is washed and ignited with the paper and its weight noted.

A parallel determination is carried out using standard filter aid in use and standard filter cloth.

Calculation.

Weight of solid in the cake : a g  
Weight of solid in filtrate : b g

Efficiency (%) =  $\frac{a}{a-b}$

This efficiency with the sample should not be lower than that with the standard.

2. Glyceryl Mono Sterate (Tender No. CD/RM/18/11)

Purity 99% or above – Test Certificate to be produced by the supplier.

3. Potassium Sulphate (Tender No. CD/RM/10/11)

Fertilizer Grade

K<sub>2</sub>O content : 50%(Min) FeO: 0.0028%(Max)

Packing: In 50 Kg HDPE Bag.

4. Aluminum Powder. (Tender No. CD/RM/2/11)

Atomized Aluminum Powder. Purity of metallic Aluminum-98%(min)

Residue on 325 mesh-5%(max). Packing in 50kg drum.

5. Zinc Oxide. (Tender No. CD/RM/Zinc/11)

Purity: 98 %(Min).

6. HEPE Stitching Thread (Tender No. CD/RM/12/11)

Polypropylene Bag closer Thread 2/840 denier in cones of 1000 Mtrs

*Specification for Scrap Iron*

Pressed bundles of tinned/de tinned/ galvanized iron sheet cutting of width 6cms or less gauge 24 or thinner free from dirt, foreign matter, painted and rusted material in bundles of size 60x45x30 cms. Each bundle should weight 40 kgs+/- 2kgs. Pressing shall be moderate just sufficient to make the bundles suitable for handling. Bundles can be tied with binding wires.