

STANDARD OPERATING PROCEDURE

WILFLEY SHAKING TABLE

OBJECTIVE

This test procedure is specifically designed for the purpose of safe operation of the LABORATORY equipment 'WILFLEY SHAKING TABLE'. The equipment operator must read through the procedure carefully and should fully understand it before operating the equipment and or otherwise consult the senior laboratory personnel for any clarifications prior to operation.

SAFETY

The following safety gears must be worn when operating the Wilfley shaking table;

- Elbow length rubber gloves
- Dust mask if necessary
- Safety glasses
- Safety boots

APPARATUS REQUIRED

- Sample buckets
- Rubber cone stoppers
- Sample trays
- Drying oven
- Metal scoop

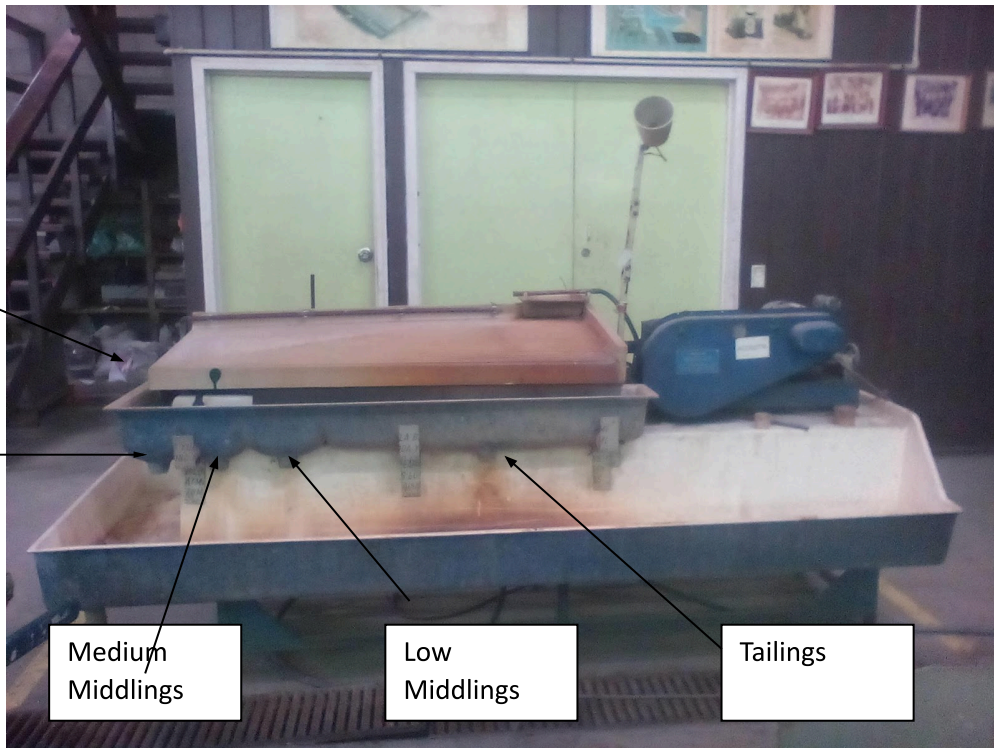
REAGENTS

- Liquid detergent (soap) if required

STANDARD OPERATING PROCEDURE (SOP)

1. Plug all sample collection points with rubber cones
2. Switch 'ON' the main power supply
3. Open water supply valve to the shaking table
4. Adjust water flow rate
5. Adjust the inclination of the shaking table
6. Adjust the longitude pulse motion
7. Manually feed sample into the sample box at a steady rate
8. When sample compartments are full switch 'OFF' power supply
9. Collect concentrate samples from their respective sample compartments and dry
10. Turn 'OFF' water supply valve
11. Clean up work area

WILFLEY SHAKING TABLE – GRAVITY CONCENTRATOR



Concentrate

High Middlings

Medium Middlings

Low Middlings

Tailings

Table inclination adjustment



Electric motor

Longitude motion adjustment