1.0 Purpose

The purpose of this procedure is to describe how to determine the percent of slurry retained on a 325 mesh sieve.

2.0 Scope

This procedure applies to all in-coming slurry products to the QA Laboratory.

3.0 Responsibility

Lab Associate is responsible for testing all slurry products.

4.0 Safety Considerations

Appropriate PPE is to be worn in the laboratory.

Safety is a condition of employment. Employees are not authorized to work in an unsafe manner and are prohibited from harming the environment of the facility or the community.

5.0 Materials/Equipment

- 325 Mesh Sieve
- 150ml beaker
- Oven – Baxter Scientific Products
- Weighing Balance – B440 Satorius
- Lab Sink
- Watch Glass Dish
- High Temp Gloves
- Sieve Brush

6.0 Procedure

Record the following data on forms *Slurry Testing (L12-FM-200-009)* or *Tetra Slurry Testing (L12-FM-200-010).*

1. After recording data from slurry sample bottle shake sample until all settling has re-suspended.
2. Turn on oven. (The dial setting should be at 5)
3. Place 150ml beaker on balance and tare to zero.

4. Add 100g (± .04g) of slurry sample to beaker.
5. Using the lab sink, start running water through the 325 mesh screen until entire surface is wet.
6. Slowly start pouring the slurry sample through the screen while running water. Continue running water through the screen until no more product will pass through.
7. Shake excess water from the sieve and place in oven. Leave in the oven until sample and sieve have dried.
8. Place glass dish on the balance and tare to zero.
9. Wearing high temp gloves, remove the sieve from the oven and brush dried sample from screen onto the glass dish and record weight in grams. This is your % retained on 325 mesh or % +325.

7.0 Reference Documents

Slurry Testing (L12-FM-200-009)
Tetra Slurry Testing (L12-FM-200-010)

8.0 Change Information

Updated procedure using *SOP Template Instructions (Q12-PR-100-004)* and *Document Numbering (Q12-PR-100-003)*