Raw Materials/Manufacturing—Project Quality Assurance

AquaBlok performed the following test methods on the finished product. The finished product did not leave the plant until the associated quality control test had been performed and testing was completed.

- Moisture Content, Oven Drying (AQBTM D2216)
- Particle Size Distribution (AQBTM C 136)
- Bulk Density (AQBTM C 29)
- Materials that were placed as part of the field capping portion was provided by NRT and was evaluated using the following test methods:

- Sieve Analysis (AQBTM C 136)
- Density (AQBTM C 29)
- PAHs were evaluated for naphthalene and methylnaphthalene
- Sorption testing (see Figure 1).

As shown in Figure 2, no substantial differences existed between the placed organoclay sample, AquaBlok included two additional placed product samples.

Results can support modeling assumptions and be used to identify location as the randomly generated bucket samples.

Each sample achieved a minimum mixing overlap of 250%, which is critical to demonstrate that this key design parameter is met.

Additional testing was performed for naphthalene and methylnaphthalene, including gas chromatography for sorption for project material.

As a result, the project achieved the desired 26% organoclay with a minimum of 20.8% on any given sample. The Final Moving Average Organoclay Content 26.15% ± 0.75% (a 99% Confidence Level).

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