

QUALITY WORK INSTRUCTIONS (QWI) SULFUR ANALYSIS PROCEDURE COLOR

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1.0 EQUIPMENT NEEDED

One piece of white paper
Aluminum weighing dish
Incoming Molten Chart (Form 30)
Two control sulfur samples representing the lightest and darkest acceptable color variations.
(These control samples should be protected from exposure).

2.0 PROCEDURE

- (1) Molten truck drivers will collect a sample of approximately 50 grams from each incoming truckload of crude sulfur. Molten sulfur will be collected by using a stainless steel soup ladle with an extended handle. The sample will be placed in the aluminum-weighing dish and cooled. It is then marked by the driver with the Bill of Lading number and delivered to the Quality Control technician.

Dry bulk deliveries will be sampled by the Plant Manager and placed in a zip-lock bag. The sample will be marked with the Bill of Lading number and delivered to the Quality Control technician.
- (2) On a piece of white bond paper, place the received sulfur sample between the marker samples and indicate pass "✓" or fail "X" on the Incoming Molten Chart (Form 30) in the Incoming Inspection log book.
- (3) Any fail "X" response must be reported to the Plant Manager. Report the condition, sulfur supplier, and date received.