



July 2024

Desiccant Weight Gain Test Completed in Humidity Chamber

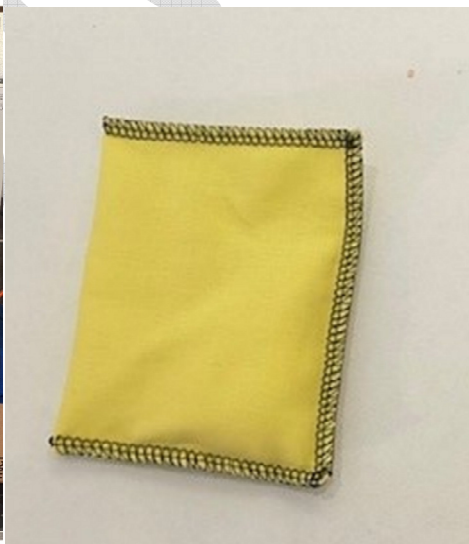
Informal – No Documentation on Calibration of Equipment

Conditions were attempted to be held at constant at 25C, however machine fluctuated over the course of 4-5 days.

Dates: Start July 10th End July 14th.

EQUIPMENT

- VARIABLE SETTING HUMIDITY CHAMBER
- DIGITAL SCALE TO TWO DECIMAL PLACES
- SAMPLE
- 1 UNIT MOISTURE HOG DESICCANT PACK
Product: Steel Camel Moisture Hog Desiccant Bag
- 30 grams of desiccant 6"x5"x2"
- 3.7 grams of Fabric



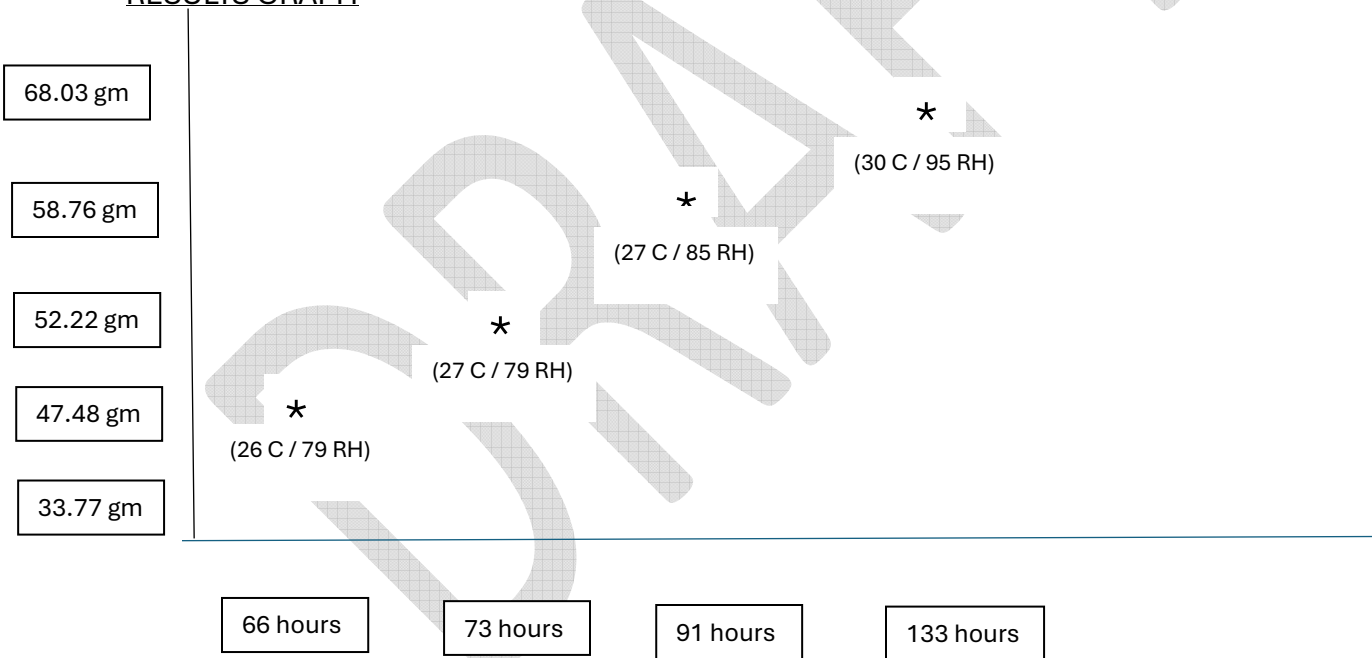
PROCEDURE

- HUMDITY CHAMBER WAS ALLOWED TO EQUALIZE TO THE TESTING PARAMETERS SET .
- A ONE UNIT MOISTURE HOG DESICCANT PACK WAS WEIGHED ON THE DIGITAL SCALE TO THE NEAREST TWO DECIMAL PLACES AND RECORDED.
- THE DESICCANT PACK WAS THEN PLACED INSIDE THE HUMIDITY CHAMBER.
- AT DIFFERENT TIME INTERVALS THE DESICCANT PACK WAS REMOVED AND REWEIGHED ON THE DIGITAL SCALE AND THE WEIGHT RECORDED.
- THIS PROCESS OF REWEIGHING OF THE DESICCANT PACK AT DIFFERENT TIME INTERVALS WAS CONTINUED UNTIL THE TEST CONCLUSION.

Start July 10th End July 14th.

Tried to maintain between 25-28C Varied a little on each end + or -.

RESULTS GRAPH



Notes.

First Reading was at 66 hours and subsequent readings were taken at random hour thereafter.

Test Was Cut Off at 133 hours and Operator Determined There Was More Room for Weight Gain