düraamen

testing worksheet

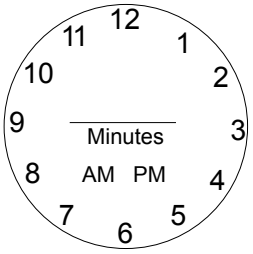
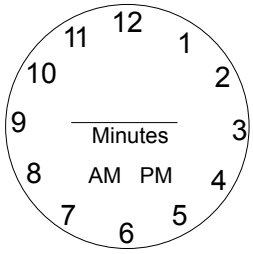
calcium chloride moisture vapor emission test

Calculating Results

Use this worksheet to calculate the test results.

STEP 1

Record dates and times this test was conducted.

Start Time	Stop Time	Total Hours
		
Start Date	Stop Date	Minimum 60 Hours Maximum 72 Hours

STEP 2

Record the start and stop weight to 1/10th of a gram.
Subtract the start weight from the stop weight to determine gain.

	_____ Grams	STOP Weight
Subtract	_____ Grams	START Weight
	_____ Grams	**Weight Gain**

STEP 3

Use the following equation to determine the vapor emission volume in Pounds per 1,000 square feet in 24 hours.

Equation to determine vapor emission in pounds.

$$\frac{\text{Weight Gain} \times 118.932}{\text{Total Hours}} = \textbf{Pounds}$$

Numeric example with a 4.5 gain in 64.5 hours. Always round to the nearest tenth.

$$\frac{4.5 \times 118.932}{64.5} = \textbf{8.3}$$

$$\frac{\text{Weight Gain} \times 118.932}{\text{Total Hours}} =$$

Pounds
per 1,000 square feet in 24 hours

The Vaprecision anhydrous calcium chloride test kit conforms to the American Society for Testing & Materials documentation ASTM E-1907-04 & ASTM F-1869-04 and is actually pictured in the ASTM E-1907 specification. ASTM documents are the copyright property of ASTM, and can be purchased easily from their web site at www.astm.org.