

Ethanolamines/Glycol Ethers Tier 3 Procedure

Section Number: 616
Issue Number: 1.3
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Title: Percent Water Determination Of T-230 Bottoms
References: Glossary Of Equipment Identification (Text # 114)

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616. Percent Water Determination Of T-230 Bottoms

1.0 Objective:

- 1.1 To provide instruction for the measurement of water in a sample from the distillation column t-230.

2.0 Procedure:

- 2.1 Draw up 0.1cc of sample using a 1.0cc disposable plastic syringe.
- 2.2 Put this sample on the analytical balance.
- 2.3 Tare or zero the scale by pressing the red bar at the bottom of the display panel.
- 2.4 Press the start button on the amines water instrument to begin drying the solution.
- 2.5 When the solution is dry (red light comes on), zero the karl fisher counter.
- 2.6 Inject the sample, press start to begin titration.
- 2.7 Put the syringe back on the scale to get the weight of the sample.
- 2.8 When the titration is complete (red light comes on), calculate the percent water as follows:
- 2.8.1 $\% \text{ water} = \text{ml karl fisher} \times \text{factor posted on the board} / \text{weight}$.

3.0 Revisions:

Revision No. 1	07-20-93	Yearly Review
Revision No. 2	12-21-94	Yearly Review
Revision No. 3	12-29-95	Yearly Review