TEA Laboratory Manual - University of California Riversity

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Experiment 1

25.00ml

Calculations

Density = mass/volume Volume = mass/density

$$S = \sqrt{\sum_{x_1 - \overline{x}} (x_1 - \overline{x})^2}$$

0.997 +0.997+0.997

observed value Tim Value . 100

(mass of cylinder + water) - (mass of cylindar)

0.997  $-(0.626)^{2} + (0.019)^{2} + (0.014)^{2}$ 

0.99 059

https://print.

0.30 0.59 0.42

(Mals+stopper+water) - (Mass of Flask + stopper)

Buct

Final but = Initial but = volume of water

(mass + stopper + water) - (Mass + Stopper) = Mass of water