In a 250 ml Erlenmeyer flask, use a volumetric pipette to put 10 ml of the oxalic acid solution $H_2C_2O_4$ of unknown normality with 50 ml of distilled water heated to a maximum of 70°C and 50 ml of sulfuric acid. Using a funnel, fill the burette with potassium permanganate of normality 0.1N. Pour the $KMnO_4$ from the burette slowly, while shaking the Erlenmeyer flask constantly. At first the solution remains red after the first drop, so you have to wait for discoloration before continuing to pour the $KMnO_4$. Stop pouring the potassium permanganate when a pink color appears which persists after stirring. . Note the volume poured and repeat the operation a second time.

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