LAB PARTNER

DATE

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prelab question

NH4 (ag) + H2011) = NH3 (ag) + H30 (ag) is to isolate casein (from skim Nb = 1.8 x 10-5 Ka = KW = IXIO-IT 14b 1.8x10-5 = 5.56 x 10-10

pha = -109 (5.56 x 10-10) = 9.26

pH = phat log [base]

8.85 = 9.26 + 109 x 10 -04 \$ = x = 0.389 6 10-0.41 = x = 0.389 = ratio Let x = [acid]; y = [base] 9 = 0.389 XV F 4V = 0.075 L 4v = 0.075 - x y = 0.389 0.075 -X x = 0.0292 - 6.389x > [acid] = 1.389x = 0.0292 / 0.075-0.021 x = 0.021 L =0.054 L & you need 21 m L of NH3 and symbof NH4t.

The purpose of this experiment milk powder) and determine its isoelectric point. The effects of acids /bases on both buffered and non-buffered sclutions of case in will be examined.

Procedure:

The experiment was carried out as described in experiment 9 (isolation and Determination of the iscelectric Point of casein); of the chemistry 1A031 IAR3/1803 Labratory Manual, * note : to create 4 0.17 HCI, WE combined = ImL 10% HCl with = 99 mL distilled water (10 x volume water for lox dilution.

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