Last name…….…….. First name……..…… subgroup ……

TP n° 2 report

TP n° 2 objectives

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Purpose of the first manipulation.

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Purpose of the second manipulation .

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Equipment and glassware used

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Reagents and solvents used

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First manipulation: experimental data

$N_A$ = . . . . . $V_A$ = . . . . . .

$V_{Eeq1}$ = . . . . . $V_{Eeq2}$ = . . . . . $V_{Eeq3}$ = . . . . . $V_{Eeq}$ . . . . . .

Chemical equations at the equivalent point……

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Mathematical relationship to equivalence: ……

Normality, $N_B$ and molar concentration, $C_B$ of potash:

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Conclusion : ……..

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Second manipulation……

$N_B$ …….. $V_A$ ……..

$V_{BEeq1}$ ……$V_{BEeq2}$ ……..$V_{BEeq3}$ ……$V_{Eeq}$ ……

Chemical equation(s) at equivalent point(s)

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Relationship to equivalence: ……

Calculation of normality and molarity of dilute acetic acid.

1) Normality: ……

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2) Molarity: ……

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Deduce the molar concentration of acetic acid in vinegar and its degree of acidity (the degree of acidity of vinegar is the % by mass of acetic acid). degree of acidity of vinegar is % acetic acid by mass) d = 1.013.

Concentration of acetic acid in commercial vinegar:

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Vinegar acidity (percentage by mass)

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Conclusion……

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