Recrystallization of KNO_3

Mass of (new) piece of filter paper _____ g
(*This is NOT the same as the piece you used on day 1.*)

Mass of filter paper + purified KNO_3 _____ g

Mass of impure KNO_3 used in first analysis _____ g
(*This should be close to 0.500 g.*)

Total Mass of purified KNO_3 obtained _____ g
(*Add back the amount of impure KNO_3 used in first analysis.*)

Percentage of sample recovered as pure KNO_3 _____ %

Mass of 50-mL beaker plus purified KNO_3 _____ g

Mass of purified/recrystallized KNO_3 used for analysis _____ g
(*This should be close to 0.500 g.*)

Percentage of $CuSO_4$ impurity in purified KNO_3 _____ %

Consider the percent recovery of the impure and purified KNO_3 in your experiment. Write a brief statement about the relationship between purity and the percent recovery.