Question: How many moles of KHP are in 0.284 grams of KHP.

Solution: KHP is Potassium hydrogen phthalate with chemical formula $C_8H_5KO_4$.

$M(C_8H_5KO_4) = 8 \cdot 12 + 5 \cdot 1 + 1 \cdot 39 + 4 \cdot 16 = 204 \frac{g}{mol}$

$n(C_8H_5KO_4) = m(C_8H_5KO_4) / M (C_8H_5KO_4) = 0.284g / 204\frac{g}{mol} = 0.0014$ mol

Answer: 0.0014 mol $C_8H_5KO_4$.