how many miles of H are there in 120.5mg of ammonium carbonate

Solution.

n ((NH4)2CO3) = 1.255 mmoles

n (H) = 1.225*8 = 10.04 mmoles = 10.04 * 10^{-3} moles

Answer. 10.04 * 10^{-3} moles ($\approx$ 0.01 mole)