2 A double-slit interference experiment is used to determine the wavelength of light from a monochromatic source. The following measurements are used.

slit separation a = 0.50 mm ± 4%

fringe separation x = 1.7 ± 0.1 mm

distance between slits and screen D = 2.000 ± 0.002 m

What is the percentage uncertainty in the calculated wavelength?

A 0.1% **B** 1% **C** 6% **D** 10%