Question number			Answer	Notes	Marks
7	(a)	(i)	measuring cylinder;	allow graduated cylinder, burette, pipette, syringe	1
		(ii)	0.005 (cm <sup>3</sup> )		1
	(b)	(i)	correctly calculated average; given to 3 significant figures; e.g. (average =) 300.8 (mm) (average to 3 s.f. =) 301 (mm)	DOP	2
		(ii)	use of radius in calculation; substitution and rearrangement; evaluation;  e.g. radius = 150(.4) (mm) (length =) 1.0 / (π x 150.4 x 150.4)	allow ecf from (b)(i) throughout seen anywhere  -1 for POT error answer of 3.5 x 10 <sup>-6</sup> (mm) gains 2 marks for using diameter instead of radius	3
			(length =) 1.4 x 10 <sup>-5</sup> (mm)	allow answers that round to 1.40-1.41	

Total for question 7 = 7 marks