

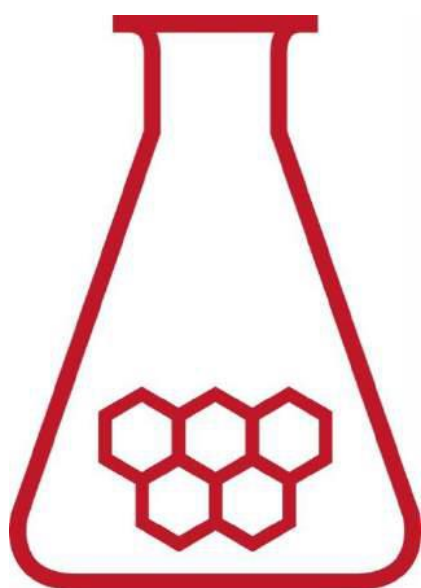
45th National Chemistry Olympiad

Maastricht University

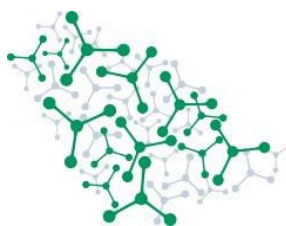
PRACTICAL TEST

Answer sheets

Thursday June 6, 2024



**SCHEIKUNDE
OLYMPIADE**



56th IChO International
Chemistry Olympiad
Saudi Arabia 2024



Maastricht University

NB.: Put your name at the top of every page!

Name:

**Practical test answer sheets
Experiment 1**

Question 1

mass of the sample:

molarity of the hydrochloric acid:

burette readings for the titration with phenolphthalein

titration	initial reading	final reading	used volume	average used volume (V_1)
test titration				
1				
2				

burette readings for the titration with methyl orange

titration	initial reading	final reading	used volume	average used volume (V_2)
test titration				
1				
2				

Question 2

with phenolphthalein:

with methyl orange:

Name:

Question 3

Question 4

Name:

Question 5

Name:

Practical test answer sheets Experiment 2

Questions 6, 7, 10 and 11

Variant I					
t (s)	A	Δt (s)	ΔA	s	k
		X	X	X	X
X	X				
		X	X		
X	X				
		X	X		
X	X				
		X	X		
X	X				
		X	X	X	X

$k_{\text{average}} =$

Variant II				
t (s)	A	Δt (s)	ΔA	s
		X	X	X
X	X			
		X	X	X

Name:

Question 8

Question 9

Question 12