Acidity 56I700100

50 - 40000 mg/L H_2SO_4

Material

Reagents	Packaging Unit	Part Number
Acidity / Alkalinity P Indicator PA1	65 mL	56L013565
Acidity HR Titrant ACD2	65 mL	56L040865
Acidity LR Titrant ACD3	65 mL	56L013165

The following accessories are required.

Accessories	Packaging Unit	Part Number
Syringe, plastic, 20 mL	1 pc.	56A006501
Titration jar with cap, plastic, 60 mL	1 pc.	56A006701

Application List

- Food and Beverage
- Disinfection Control

Notes

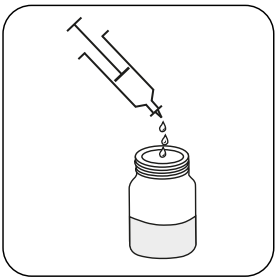
1. Colours may vary depending on sample and test conditions.
2. 1 % = 10000 mg/L (ppm)
3. For other acids multiply the results by the following factor:

Sulphamic acid	2.5
Hydrochloric acid	0.75
Citric acid	1.5
Acetic acid	1.25
Phosphoric acid	2.0
Formic acid	0.9
Hydrofluoric acid	0.5
Nitric acid	1.3

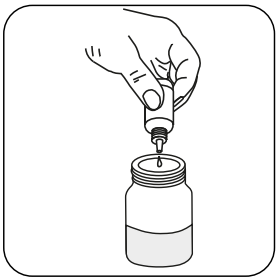
Sampling

Select the sample volume from the table according to the expected measuring range and read off the factor to calculate the result.

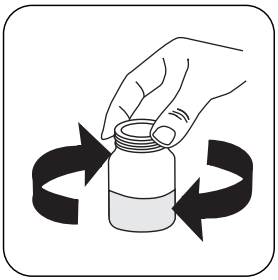
Expected Range	Titrant used	Sample Size	Factor
50-250 mg/L	Acidity LR Titrant ACD3	40 mL	12.5
100-500 mg/L	Acidity LR Titrant ACD3	20 mL	25
200-1000 mg/L	Acidity LR Titrant ACD3	10 mL	50
400-2000 mg/L	Acidity LR Titrant ACD3	5 mL	100
500-2500 mg/L	Acidity HR Titrant ACD2	40 mL	125
1000-5000 mg/L	Acidity HR Titrant ACD2	20 mL	250
2000-10000 mg/L	Acidity HR Titrant ACD2	10 mL	500
4000-400000 mg/L	Acidity HR Titrant ACD2	5 mL	1000



Attention!Select the appropriate sample volume according to the instructions in the chapter Sampling.

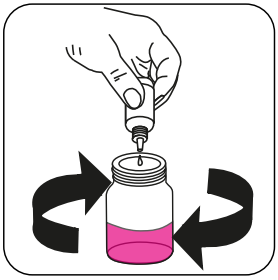


Add **2** drops of **Acidity/Alkalinity P Indicator PA1** per **10 mL** of sample.



Swirl to mix.

Attention! Record the number of drops that will be added.
Note: Make sure to swirl the jar after adding each drop!



Add drops of **Acidity HR Titrant ACD2 or Acidity LR Titrant ACD3** to give a **pink** colour.

Calculate test result: Acidity (as H_2SO_4) mg/L = Number of drops x factor (see table)