

Chelant free

56I700180

10 - 240 mg/L EDTA

Material

Reagents	Packaging Unit	Part Number
Chelant Free Buffer FC1	65 mL	56L816065
Chelant Free Indicator Powder FCP2	Powder / 40 g	56P728340
Chelant Free Titrant FC3	65 mL	56L031965

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

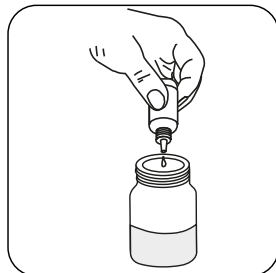
- Cooling Water
- Disinfection Control

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
10-30 mg/L	Chelant Free Titrant FC3	40 mL	1
20-60 mg/L	Chelant Free Titrant FC3	20 mL	2
40-120 mg/L	Chelant Free Titrant FC3	10 mL	4
80-240 mg/L	Chelant Free Titrant FC3	5 mL	8

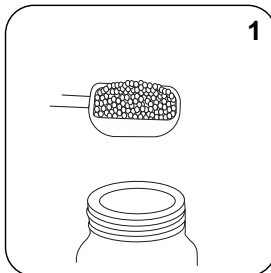
Attention! Select the appropriate sample volume according to the table in the notes.



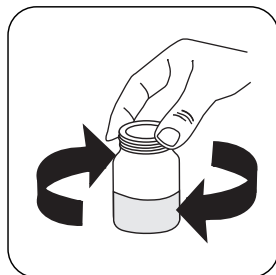
Add 5 drops of **Chelant Free Buffer FC1** per 10 mL of sample.



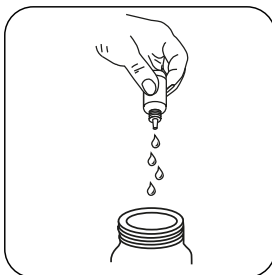
Swirl to mix.



Add 1 measuring scoop(s) **Chelant Free Indicator FC2P**.

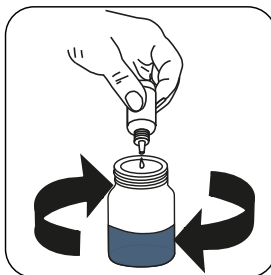


Swirl to mix.



Attention! Record the number of drops that will be added.

Note: Make sure to swirl the jar after adding each drop!



Add **Chelant Free Titrant FC3** drop by drop to the sample until colouration turns from **pure blue** to **purple/blue**.

Calculate test result: Chelant free (as EDTA) mg/L = Number of drops x factor (see table)