

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 Pieces | 56A006501 |
| Titration jar with cap, plastic, 60 mL | 1 Pieces | 56A006701 |

Application List

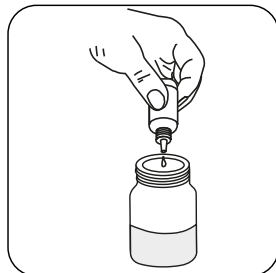
- Cooling Water
- Disinfection Control

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 |

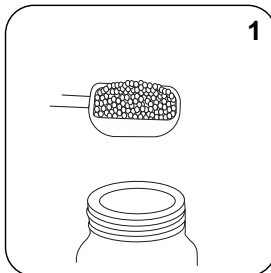
Attention! Select the appropriate sample volume according to the table in the notes.



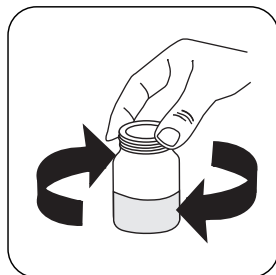
Add 5 drops of **Chelant Free Buffer FC1** per 10 mL of sample.



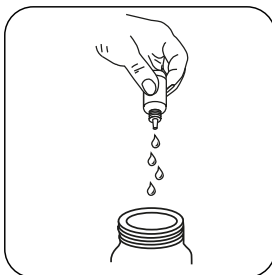
Swirl to mix.



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

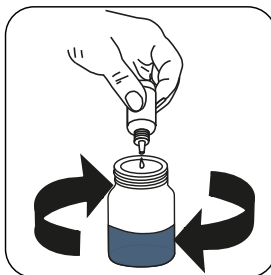


Swirl to mix.



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)