

Polyamine**56I700340****0 - 20 mg/L****Material**

| Reagents | Packaging Unit | Part Number |
|------------------------------------|-----------------------|--------------------|
| Anionic / Polyamine Indicator P2/3 | 65 mL | 56L718165 |
| Polyamine Titrant P4/2 | 65 mL | 56L662965 |
| Anionic / Polyamine Solvent P1/M | 30 mL | 56L703430 |

The following accessories are required.

| Accessories | Packaging Unit | Part Number |
|----------------------------|-----------------------|--------------------|
| Syringe, plastic, 20 mL | 1 pc. | 56A006501 |
| Titration jar, glas, 50 mL | 1 pc. | 56A008101 |

Application List

- Cooling Water

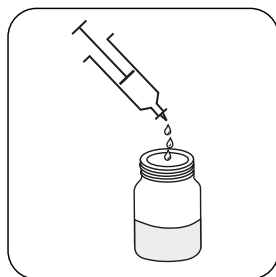
Notes

1. Colours may vary depending on sample and test conditions.
2. Polyamine Solvent P1/M is only compatible with glassware. Do not allow reagent to come into contact with plastic.
3. The test should be performed on known standards of products of interest to determine the product factor (F).
4. The range chosen should represent the expected levels of dosing in the various systems being chosen and the size of the aliquot portion should be such that the required amount of titrant needed to complete the test should be between 10 and 40 drops.
5. The size of the aliquot portion corresponding to the appropriate factor should be recorded in tabular form for the range of products in use.
6. CTAB = Cetyltrimethylammoniumbromide

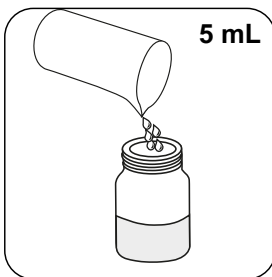
Sampling

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

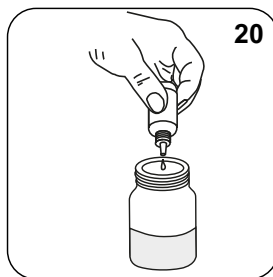
| Expected Range | Titrant used | Sample Size | Factor |
|-----------------------|---------------------------|--------------------|---------------|
| | Polyamine Titrant P4/2 | | |
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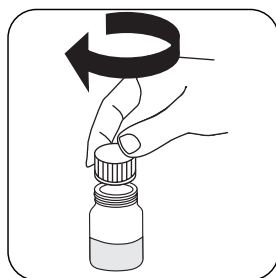
Attention! Select the appropriate sample volume based on results from standards (see notes).



Add **5 mL Anionic/Polyamine Solvent P1/M**.



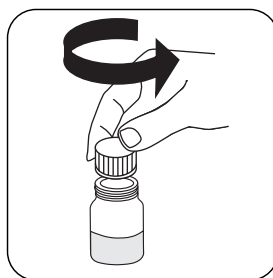
Add **20 drops Anionic/Polyamine Indicator P2/3**.



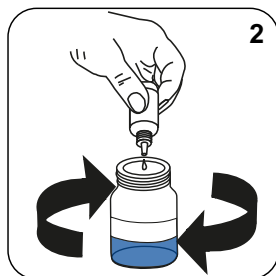
Close jar.



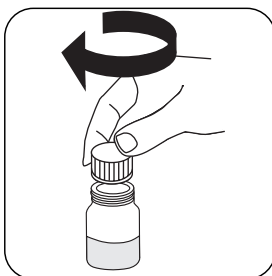
Mix the contents by shaking vigorously. (30 s).



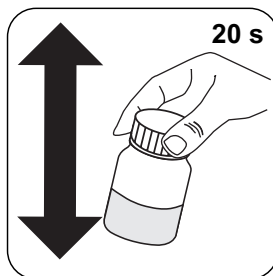
Open the jar.



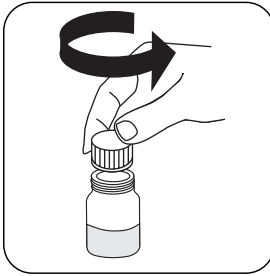
Add **2 drops Polyamine Titrant P4/2**.



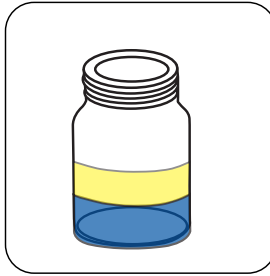
Close jar.



Mix the contents by shaking vigorously. (20 s).



Open the jar.

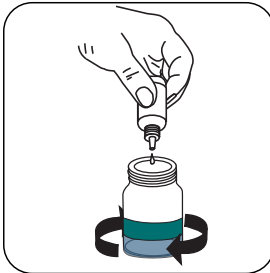


Allow phases to separate.
A blue color should develop
in the lower layer if any
product is present.



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

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



Add **Polyamine Titrant P4/2** drop by drop to the sample until discolouration turns from **blue to grey in the bottom layer** (If P1/M layer is pink, the end point has been exceeded.).

Calculate test result: Polyamine (as CTAB) mg/L = Number of drops Polyamine Titrant P4/2 x factor