



Rev. 07/2024

1015 IPT TOTAL HARDNESS

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PRODUCTION RANGE

Code	Description
304.00.02	Water hardness control test kit

FEATURES

Type of analysis	volumetric
Method	Titration of alkaline earth metals (especially calcium and magnesium) with EDTA
Sensitivity	0.5 French degrees (on 10 ml sample)
Number of determinations	625 French degrees
Contents of the kit	<ul style="list-style-type: none"> • 1 bottle 25ml hardness titrant • 1 bottle 15ml hardness indicator • 1 20 ml tube • instructions

OBSERVATIONS

- Strictly speaking, together with calcium and magnesium, strontium and barium are also titrated, but in normal waters the concentration of the latter is so low that it can be negligible.
- **IPT kits** are ideal in cases where only a few analyses need to be carried out with moderate precision. For many analyses and high accuracy we recommend HYDROCHECKS, which also offer a lower cost per analysis.

AVAILABLE SPARE PARTS

Code No.	Description
3111	hardness titrant, pack of 6 25 ml bottles
3112	hardness titrant 1 °f, pack of 6 250 ml bottles
3002	hardness indicator, pack of 6 15ml bottles
3310	20ml tube, pack of 10

INTERFERENCES

Copper	> 2 ppm.
Aluminium, Lead, Strontium and Zinc	> 5 ppm.
Manganese	> 10 ppm.
Iron	> 20 ppm.

Water colours such as to prevent the appreciation of indicator colour changes.

Low water temperatures slow down the colouring of the indicators.

The recommended temperature for analysis is between 20 and 30 °C.

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