

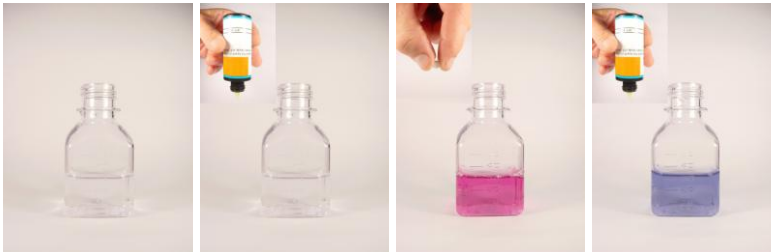
# HARDNESS (CALCIUM)

## Determination of Calcium Hardness Range 0 - 1200ppm (as CaCO<sub>3</sub>)



Notes	Health & Safety
Please read before proceeding with the test.	Refer to R & S phrases on individual bottles.
When performing the test hold the dropper bottles exactly upside down and allow drops to form slowly and fall off under their own weight.	Wear protective gloves and safety goggles when performing any tests using corrosive, harmful or irritant reagents.
Do not shake off drops as this will affect the accuracy of the test.	Do not ingest.

Take sample according to expected range.	Add <b>2 drops of Calcium Hardness Buffer (CH2)</b> per 10ml.	Add <b>1 Calcium Hardness Indicator Tablet</b> and crush to dissolve.	Count drops of <b>H/TH4/CH3</b> or <b>TH3</b> until <b>pure blue</b> .
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*Colours may vary depending on sample and test conditions.*

**Calcium Hardness (as CaCO<sub>3</sub>) ppm = Number of Drops x Factor**

ppm = mg/l

Expected Range	Sample Size	Titrant Used	Factor
5 – 15	40ml	TH3	0.5
10 – 30	20ml	TH3	1
20 – 60	10ml	TH3	2
50 – 150	40ml	H/TH4/CH3	5
100 – 300	20ml	H/TH4/CH3	10
200 – 600	10ml	H/TH4/CH3	20
400 – 1200	5ml	H/TH4/CH3	40