

HARDNESS (TOTAL)

Determination of Total Hardness (as CaCO₃) Range: 0 - 60ppm

Take sample according to expected range.

Add
3 drops of TH5

Count drops of
TH3
until **pure blue**.



Total Hardness ppm (as CaCO₃) = Number of Drops x Factor

Expected Range	Sample Size	Titrant Used	Factor
5 – 15	40ml	TH3	0.5
10 – 30	20ml	TH3	1
20 – 60	10ml	TH3	2

HARDNESS (TOTAL)

Determination of Total Hardness (as CaCO₃) Range: 50 - 1200ppm

Take sample according to expected range.

Add **2 drops of Total Hardness Buffer (TH2)** per 10ml.

Add **3 drops of TH5**

Count drops of **TH4** until **pure blue**.



Colours may vary depending on sample and test conditions.

Total Hardness ppm (mg/l) (as CaCO₃) = Number of Drops x Factor

Expected Range	Sample Size	Titrant Used	Factor
50 – 150	40ml	TH4	5
100 – 300	20ml	TH4	10
200 – 600	10ml	TH4	20
400 – 1200	5ml	TH4	40