

# QAC (QUATERNARY AMMONIUM COMPOUND)

## Determination of Quaternary Ammonium Compounds.

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 <b>20ml</b> sample.	Add <b>10 drops QA1</b> and swirl to mix.  <b>Sample is blue in high alkaline waters and yellow at all other times</b>	Add <b>QA2 dropwise</b> until sample turns <b>purple/red.</b>	Add <b>QA3 or QA5</b> counting drops for sample to change to <b>orange/yellow.</b>
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*Colours may vary depending on sample and test conditions.*

$$\text{QAC as CTAB (mg/l)} = \frac{\text{Drops of QA3} \times 60 \text{ (Range 100 to 1000)}}{\text{Drops of QA5} \times 8 \text{ (Range 20 to 100)}}$$



### NOTES:

- 1) CTAB = Cetyl Trimethyl Ammonium Bromide.
- 2) Factors may be determined for other QAC's on products by performing the above tests on known standard solutions of the products of interest.

PRODUCT	ORDERCODE
Complete Kit LR	QAC01
Complete Kit HR	QAC02
QA1	RD2601
QA2	RD2602
QA3	RD2603
QA5	RD2605