



QUAT (QAC) Testing Procedure

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QAC Test Papers

Analyte: Quaternary ammonium compounds

Compound(s) : Multi-quat sanitizer,, OASIS 146

Active ingredients :

Alkyl dimethylbenzyl ammonium chloride : 3.00%

Octyldecyldimethyl ammonium chloride : 2.25%

Di-n-octyldimethyl ammonium chloride : 0.90%

Di-n-decyldimethyl ammonium chloride : 1.35%

Stock solution : 400 ppm (mg/l) QAC

5.3 ml of OASIS 146 multi-quat sanitizer is diluted with deionized or distilled water to make up a of volume of 1000 ml. This solution contains 400 ppm of quaternary ammonium compounds.

This stock solution (400 ppm QAC) is then diluted further with deionized or distilled water to yield concentrations that should match the color chart . These solutions are used for testing without verification.

Stability: This stock solution is stable for approximately 2 months when stored tightly closed at room temperature. The stability of the test solutions also depends on the frequency of use, i.e. the number of times test strips are dipped into the solutions.

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