



Quick Test for Packaged Chloros

A. PURPOSE AND SCOPE

This procedure describes the testing requirements for every container of packaged Sodium Hypochlorite when used for clean (Potable) water activities. The test is undertaken by SWW and Contractual personnel.

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C. CHANGES IN THIS DOCUMENT

DESCRIPTION OF CHANGE

D. RECORDS / FORMS / LOGS

REFERENCE	TITLE	LOCATION

E. REFERENCES

REFERENCE	TITLE	LOCATION
QWD-165	Managing Sodium Hypochlorite Containers	Intranet
COSHH	Safety Data Sheet	HS & S
SWW-TS-379	Handling, Storage and Dosing of Sodium Hypochlorite Solution (NaOCl)	Intranet

**Quick Test for Packaged Chloros****F. INSTRUCTIONS****1. Prerequisites**

All staff handling sodium hypochlorite must have the appropriate training, both for chemical and manual handling.

Refer to [QWD-165](#) *Managing Sodium Hypochlorite containers* procedure HS&S *Management of chlorine, Chloros & sulphur dioxide* plus COSHH sheet and *Technical Standard TS 379* Handling, Storage and Dosing of Sodium Hypochlorite Solution (NaOCl).

2. Equipment required

500ML PET plastic bottle.

1ml disposable pipette.

Tap water

Comparator tubes

No.1 DPD tablets.

Appropriate PPE

3. Undertaking the Tests

1. Fill a 500ML PET bottle to the shoulder with mains water.
2. Remove lid of Sodium Hypochlorite container confirming the correct product labelling and that the seal is intact.
3. Use the pipette to take a few drops of liquid from the container.
4. Add 1 – 2 drops of liquid from the pipette to the water in the bottle. Observe the surface of the water and confirm the absence of an oily sheen.
5. Place the lid on the bottle and shake to mix contents. Remove lid and smell the contents. Confirm there is no smell or a slight chlorinous smell and the absence of any oil/fuel type odours.
6. Fill a comparator tube with sample from the bottle.
7. Add a DPD No 1 tablet and crush gently. Look out for pink streaming from the edges of the tablet as it is crushed and the formation of a pink/purple colour to confirm the presence of chlorine.

Note: The colouration may be short lived due to high concentrations of chlorine if the additions of drops were a bit heavy handed.

4. Actions

If any of the tests above call into question the integrity of the sodium hypochlorite solution do not use for clean (Potable) water applications and report to the appropriate Area Manager and Water Quality Scientist. Clearly label suspect container and remove to a quarantine area.