

DBNPA

(2,2-dibromo-3-nitrilopropionamide)

This test is suitable for the determination of DBNPA (2,2-dibromo-3-nitrilopropionamide) in industrial water systems. DBNPA is used as a non-oxidising biocide to control bacteria in open systems, often in combination with a second biocide. DBNPA is a fast acting biocide that hydrolyses rapidly in alkaline conditions to non-hazardous by products.

Pre-filtration: If the sample water is turbid, filter through GF/C filter paper to obtain a clear solution.



1

Using the syringe, transfer **15 ml of tap water** to the plastic graduated tube.



2

Using the same syringe, transfer **5 ml of clear, filtered sample** to the same plastic graduated tube and mix.



3

Add **15 drops of DB1** and swirl to mix.



4

Add **15 drops of DB2** and swirl to mix.

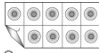


5

Add **15 drops of DB3** and swirl to mix.

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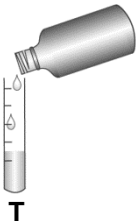
6

Immediately **filter through a 0.2 µm filter** into a second plastic graduated tube.

7

Add **2 DB tablets** and crush to dissolve. Allow the colour to develop.

WAIT FOR THREE MINUTES



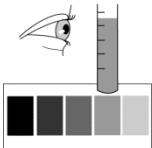
8

Transfer sample to the comparison tube **up to the 10 ml mark** this is the **TEST (T)** cell.



9

To a second tube add **10 ml of untreated sample water** to act as the **BLANK (B)** cell.



10

Place the **T** cell over the over white circles on the colour chart and the **B** cell over the coloured circles. Looking down through the tube, move across the scale until a colour match is obtained. Read the corresponding concentration as mg/l DBNPA.

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Colour Chart

