

Waterlab (Pty) Ltd / (Edms) Bpk

(Reg Nr/No 83/09165/07)

Management & Laboratory Services for Water and Wastewater Environmental Monitoring and Impact Assessment



283 Persequor Technopark 0020 (T) 012-349-1044/1066 (F) 012-349-2064
E-mail: ard@waterlab.co.za / www.waterlab.co.za

22 January 2015
Tovi Brand Marketing (Pty) Ltd
Att: V. Adendorff

Protocol for laboratory testing of disinfectant/coagulant product

1. Homogenize a test sample of at least 25 liter by shaking well
2. Transfer aliquots of 5 liter (or less) of the above homogenized sample in 4 suitable containers
3. Use one of the above aliquots as control sample (this is sample 1)
4. In the next container add 0.14 g product / liter sample (this is equivalent to 3.5 g / 25 liter) and mix well (this is sample 2)
5. In the next container add 0.2 g product / liter sample (this is equivalent to 5 g / 25 liter) and mix well (this is sample 3)
6. In the next container dose (add) 0.4 g product / liter sample (this is equivalent to 10 g / 25 liter) and mix well (this is sample 4)
7. Allow all 4 samples to settle for 10 minutes to allow disinfection and flocculation
8. After 10 minutes draw sub-samples of the supernatant of all 4 containers for testing. (If required these sub-samples can also be filtered.) Conduct microbiological testing and, if flocculation efficiency needs to be determined, turbidity as well
9. Evaluate results against the results of the control

Kind regards

Ard van de Wetering
Director

Direkteure/Directors

LPD de Wet PhD FWISA NYAS (Managing & Chairman)

CJ van der Walt Pr Eng Pr CPM B Eng (Chem) B Eng Hons (Water Util) MSAICheE SMWISA

E Nkabinde B Tech (Water Care) Dip Project Management. MBA.MWISA

A van de Wetering BSc Hons (Water Util) MWISA

AD Ceronio Pr Eng B Eng (Civil), M Eng (Civil), D Eng (Civil), MSAICE FWISA MAWWA

A Smith Pr Tech Eng ND (Civil), NHD (Civil), MD (Civil Water) MSAICE MWISA