

16, Van der Berg Crescent, Gant's Centre, STRAND, 7140, RSA  
+27(0)21 853 1490 www.bemlab.co.za / admin@bemlab.co.za



## WATER ANALYSIS REQUEST FORM

<b>COMPANY NAME:</b>		<b>Invoice number:</b>	
<b>VAT number:</b>		<b>Lab number:</b>	to
<b>Order number:</b>		<b>Total no. of samples:</b>	
<b>Client name</b>		<b>Consultant name:</b>	
<b>Postal address:</b>		<b>Postal address:</b>	
<b>Email address:</b>		<b>Email address:</b>	
<b>Contact number:</b>		<b>Contact number:</b>	
<b>Fax number:</b>		<b>Fax number:</b>	

Results/Account to be sent to:  client  consultant

If the consultant is submitting on behalf of a client, has the client approved this?  Yes  No

**NOTE:** NO samples will be processed without the approval and acceptance of responsibility of the account by the client (Bemlab terms of trade).

<b>Sampling DATE &amp; TIME</b>	Date:	Time:	Date:	Time:	Date:	Time:	Date:	Time:
<b>Sample DESCRIPTION</b>	1)		2)		3)		4)	
<b>Sample Intended END USE</b> (e.g. irrigation, drinking, effluent etc)								
<b>Sampled by</b>								
<b>Date and time samples received at Reception:</b>								
<b>Temperature at reception:</b>		°C		°C		°C		°C

## TESTS REQUESTED

<b>EW001: Irrigation</b> EC, pH, Na, Ca, Mg, K, Fe, Cl, Mn, SO <sub>4</sub> <sup>2-</sup> , CO <sub>3</sub> <sup>2-</sup> , HCO <sub>3</sub> <sup>-</sup> , B, NAV, Lang index	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>EW002: Potability- Chemical only</b> EC, pH, Na, Ca, Mg, K, Fe, Cl, Mn, SO <sub>4</sub> <sup>2-</sup> , CO <sub>3</sub> <sup>2-</sup> , HCO <sub>3</sub> <sup>-</sup> , B, NH <sub>4</sub> <sup>+</sup> , NO <sub>3</sub> <sup>-</sup> , Cu, Zn, P, TDS, F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>EW013: Microbiology</b> Total bacteria, total coliforms, E.coli <b>Further dilutions at additional charge</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>EW063: Effluent water (DWAf irrigation)</b> pH, EC, K, Ca, Mg, Na, NAV, COD, faecal coliforms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>EW064: Effluent water (for disposal)</b> pH, EC, K, Ca, Mg, Na, NAV, SS, COD, NH <sub>4</sub> <sup>+</sup> , NO <sub>3</sub> <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , CL <sub>2</sub> , PO <sub>4</sub> , F, Faecal Coliforms, SOG, Heavy Metals ( <i>extra 1L for SOG</i> )	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>EW051: SANS 241 Partial (Microbiology, Organic, Viruses and Parasites Analyses excl)</b> Enquire for the list of analyses included	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>EW025: SANS 241 Partial (Organic, Viruses and Parasites Analyses excl)</b> Enquire for the list of analyses included	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other analysis (not indicated above / single elements):</b>				
<b>Other instructions:</b>				

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CONTINUED FROM PAGE 1						
Sampling DATE & TIME	Date: Time:	Date: Time:	Date: Time:	Date: Time:	Date: Time:	Date: Time:
Sample DESCRIPTION	5)	6))	7)	8)	9)	10)
Sample Intended END USE (e.g. irrigation, drinking, effluent etc)						
Sampled by						
Date and time samples received at Reception:						
	°C	°C	°C	°C	°C	°C
TESTS REQUESTED						
<b>EW001: Irrigation</b> EC, pH, Na, Ca, Mg, K, Fe, Cl, Mn, SO <sub>4</sub> <sup>2-</sup> , CO <sub>3</sub> <sup>2-</sup> , HCO <sub>3</sub> <sup>-</sup> , B, NAV, Lang index	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>EW002: Potability- Chemical only</b> EC, pH, Na, Ca, Mg, K, Fe, Cl, Mn, SO <sub>4</sub> <sup>2-</sup> , CO <sub>3</sub> <sup>2-</sup> , HCO <sub>3</sub> <sup>-</sup> , B, NH <sub>4</sub> <sup>+</sup> , NO <sub>3</sub> <sup>-</sup> , Cu, Zn, P, TDS, F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>EW013: Microbiology</b> Total bacteria, total coliforms, E.coli <b>Exact values at additional charge</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>EW063: Effluent water (DWAf irrigation)</b> pH, EC, K, Ca, Mg, Na, NAV, COD, faecal coliforms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>EW064: Effluent water (for disposal)</b> pH, EC, K, Ca, Mg, Na, NAV, SS, COD, NH <sub>4</sub> <sup>+</sup> , NO <sub>3</sub> <sup>-</sup> , NO <sub>2</sub> <sup>-</sup> , CL <sub>2</sub> , PO <sub>4</sub> , F, Faecal Coliforms, SOG, Heavy Metals ( <i>extra 1L for SOG</i> )	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>EW051: SANS 241 Partial (Microbiology, Organic, Viruses and Parasites Analyses excl)</b> Enquire for the list of analyses included	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>EW025: SANS 241 Partial (Organic, Viruses and Parasites Analyses excl)</b> Enquire for the list of analyses included	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other analysis (not indicated above / single elements):</b>						
<b>Other instructions:</b>						



## TERMS AND CONDITIONS

### CONSENT REQUIRED IN CASES WHERE MICROBIOLOGICAL TESTING IS REQUESTED:

**i. Should the sample reach the lab >6 hours after sampling, or within 24 hours at a temperature >10°C, please tick your selection:**

Proceed with total analysis  Proceed with chemical analysis only  Cancel analysis completely

**ii. Should Bemlab be unable to analyse your sample within 24h of receipt, please tick your selection:**

Proceed with total analysis  Proceed with chemical analysis only  Cancel analysis completely  Outsource sample to an accredited facility

### TERMS OF TRADE:

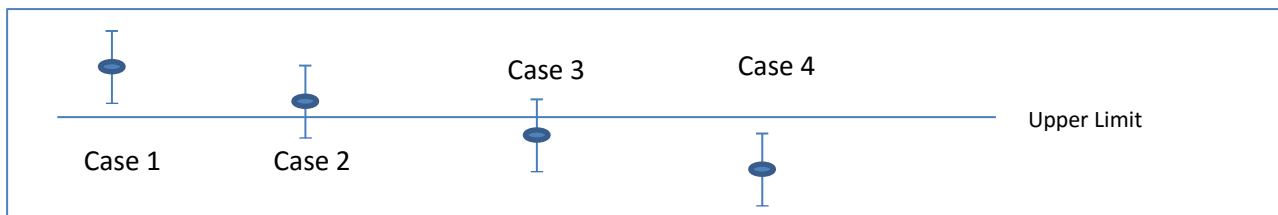
- First-time clients: full settlement is required prior to releasing of report.
- Account clients: payment is due within 30 days following date of invoice. Bemlab reserves the right to refuse work to a customer with a poor account history.
- Acceptance of the account by the client/consultant by means of signature and date. NO samples will be processed without the approval and acceptance of responsibility of the account by the client.

### UNCERTAINTY OF MEASUREMENT

When evaluating whether a test result complies with or does not comply with a specification limit, the uncertainty of measurement is taken into account and stated on the Test Report. The reported uncertainties of measurement are based on a standard uncertainty multiplied by a coverage factor of k=2, which, unless specifically stated otherwise, provides a level of confidence of approximately 95%.

### THE DECISION RULE

**Figure 1 - Compliance with Specification**



### Where a statement of conformity is included on the report, the uncertainty of measurement is applied as follows:

**Case 1:** The specification limit is exceeded by the test result minus the uncertainty of measurement.

Conclusion: Non-Compliance

Statement on Test report: The sample did not comply with the specification since the measurement result was above the specification limit when uncertainty of measurement was taken into account.

**Case 4:** The specification limit is not breached by the test result plus the uncertainty of measurement.

Conclusion: Compliance

Statement on Test report: The sample complied with the specification since the measurement result was below the specification limit when uncertainty of measurement was taken into account.

In the case where the test result plus (**Case 3**), or minus (**Case 2**) the uncertainty of measurement overlaps the specification limit then it is not possible to state either compliance or noncompliance.

In these two cases the conclusion is: Inconclusive. The following decision rule was formulated to ensure that statements of conformity can be made in "inconclusive" cases.

In the case where the test result is below the specification limit but the addition of the uncertainty of measurement exceeds the limit, then the sample is deemed to comply with the specification (**Case 3**).

In the case where the test result is above the specification limit but the subtraction of the uncertainty of measurement falls within the limit, then the sample is deemed to be Non-Compliant with the specification (**Case 2**).

**SIGNATURE:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

Declaration: By signing, you are confirming that the details provided on this form are correct, and agree to all Bemlab's Terms and Conditions

We hereby consent to the processing of the information supplied herein in terms of the Protection of Personal Information Act (2013) for the purposes of this request. All processing of personal information takes place according to the terms and conditions of the Privacy Policy of Bemlab (Pty) Limited which can be found on our website at [www.bemlab.co.za](http://www.bemlab.co.za) . By signing this request form you agree to our Privacy Policy.