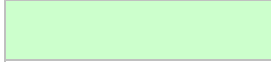


**INSTRUCTIONS:**

Each cell in each worksheet contain

The colour chosen for each cell will

 =

 =

 =

 =

 =

 =

The user is required to enter a list of

*NOTE:* Check parameters begin at

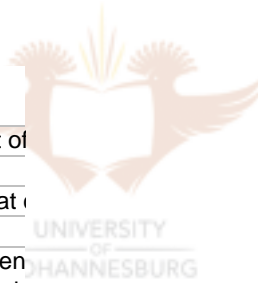
Once all the input values have been  
enter the amounts and purities of ch

The percentage purity values already  
values can be changed by the user i

Calculate :

XpH :

XCCPP :



ing information is assigned a colour.

indicate the type of data that is contained within the cell, as follows:

Input or initial data

*(Entered by the user or extracted from the previous chemical worksheet)*

Derived input data

*(Derived from input or initial data)*

Primary calculations

*(Calculated from input and derived input data)*

Derived primary output

*(Derived from primary calculations)*

Final output data

*(calculated from primary outputs or other final output data)*

Change data

f values on the 'Inputs' worksheet, in the blue coloured cells.

cell B119, whilst calculation parameters begin at cell Q6

entered by the user, the user can move to the 'Effects' worksheet and chemicals he/she wishes to add to the raw water.

ly entered are those values most common in industry. However, these if required. The value should be entered as a fraction, i.e. 0.95 = 95.0%

To calculate the *pH* and *CCPP* values of all the chemicals, click on the 'Calculate' button on the 'Effects' worksheet or on any of the worksheets assigned to a specific chemical (incl. 'Raw water check')

To calculate the *pH* for a single chemical, click on the button '*X pH*' on the specific chemical worksheet.

To calculate the *CCPP* for a single chemical, click on the button '*X CCPP*' on the specific chemical worksheet.

*NOTE: pH must be calculated before CCPP.*