BW - MiniTab_VB (Core workbook)

Basic Information

BW Server	WBP
Application	QM - Quality Management
Query Name	BW - MiniTab_VB (Core workbook)
Query Technical Name	BW_WBK_QM_0017
Core/Specific Scope	Core
Specific Reason	
Provider Name	MVQM01
Usage type	Direct execution from Analysis as interface for MiniTab
Expected users	Quality Manager, Quality Lab. Manager, Process Manager

- Basic Information
- Purpose of this query
- Variables screen
  - On BW :
- Glossary of statistical data
  - I-MR Chart
  - Capability indices
  - Probability Plot
- FAQ
  - Waiting too long to extract data ?

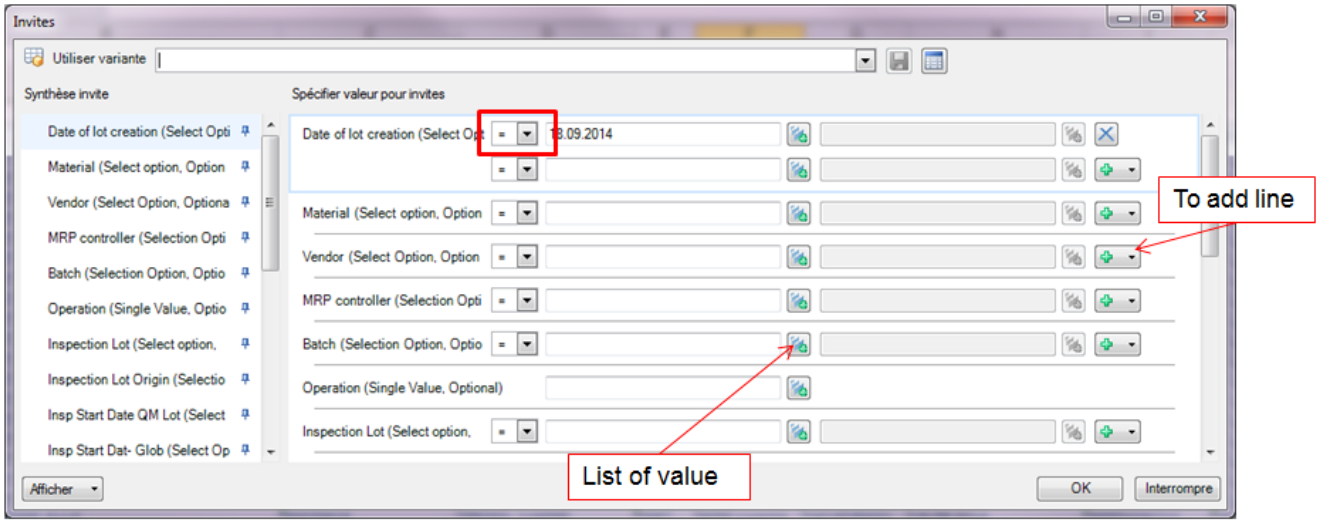
Purpose of this query

This report display detailed results by material, with usage decision or by shipments. Detailed analysis by characteristic / material is possible
Result can be transfer to **Minitab** tool for statistical purpose

Variables screen

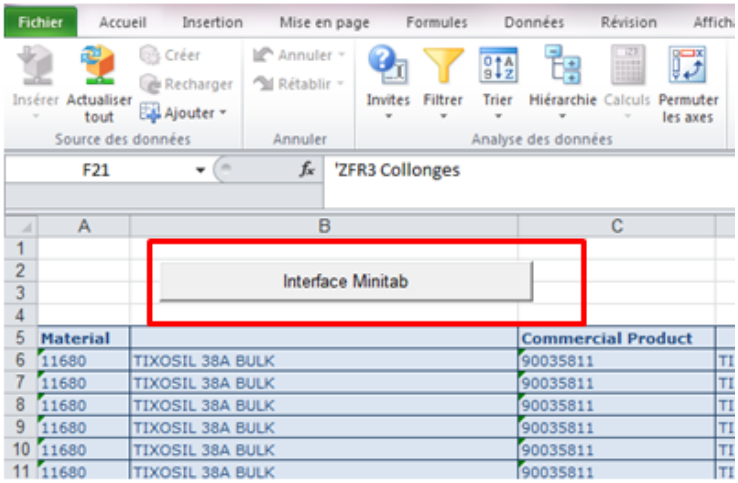
On BW :

Variable Name	Authorization Object	Description
Plant	Yes	
Date of lot creation	No	For select a period, change “=” to “[ ]”

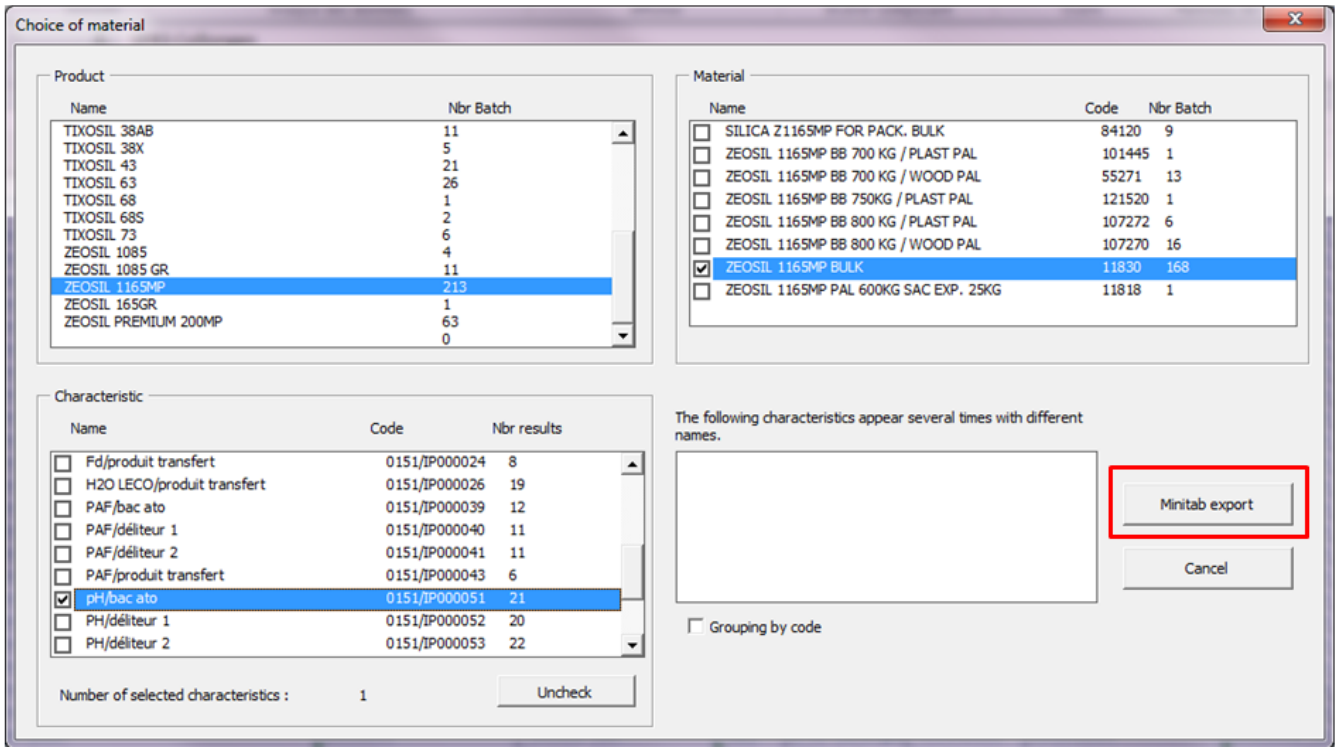


* Mandatory values

1/ Click on “Interface Minitab”Interface with MiniTab



2/ Complete the selection screen:



3/ Select :

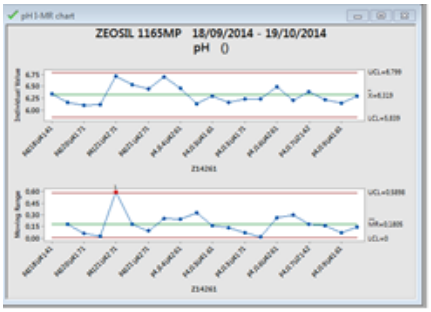
- Product
- Materials
- Characteristic

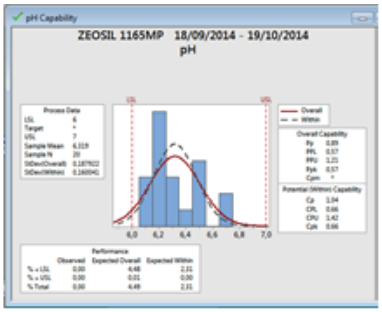
4/ Click on “Minitab export”

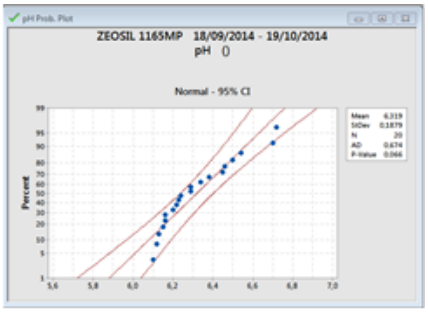
Remark : you are limited to 39 characteristics.

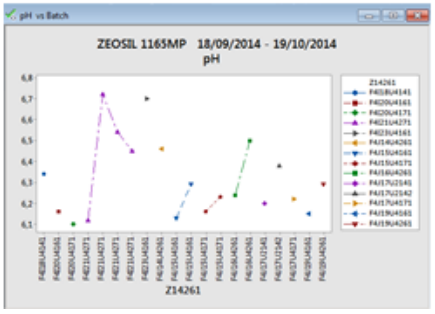
5/ You can follow the progress of the extraction at the bottom of the screen

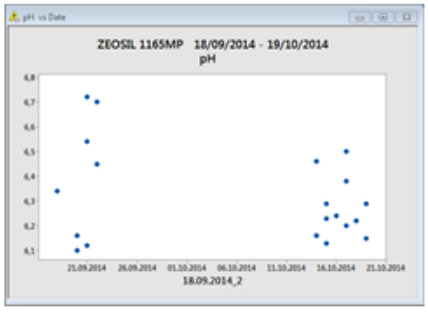
6/ MiniTab will open automatically . You'll get 5 graphs







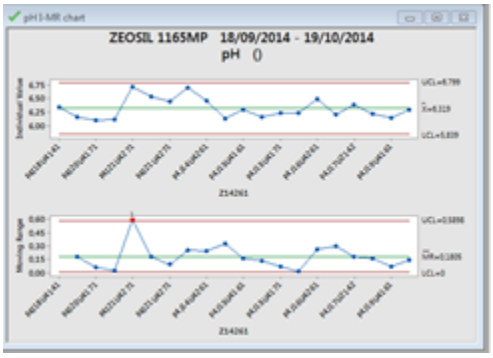




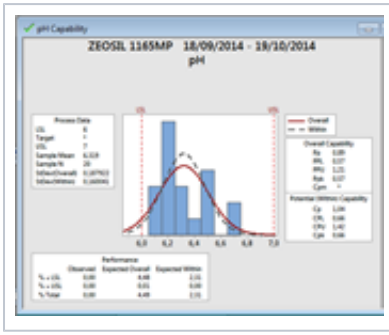
Glossary of statistical data

I-MR Chart

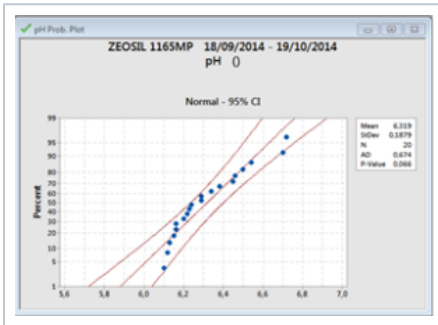
- Individual Value = Control Chart
- Moving range = interval between 2 values



Capability indices

	Cp	Potential level of performance that your process obtain, if all special causes were eliminated. (> 1,33)
	Pp	Actual capability of your process, or how your process is actually performing relative to the specification limits. (> 1,33)
	CPL	Measures how close the process mean is running to the lower specification limit.
	CPU	Measures how close the process mean is running to the upper specification limit.
	Cpk	Equals the lesser of CPU and CPL.

Probability Plot

	Points	Estimated percentiles for corresponding probabilities of an ordered data set.
	Middle lines	The expected percentile from the distribution based on maximum likelihood parameter estimates. If the distribution is a good fit for the data, the points are close to the middle line.
	Left lines and right lines	Formed by connecting the lower bounds of the confidence intervals for the percentiles. Similarly, the right line is formed by connecting the upper bounds of the confidence intervals for the percentiles. If a distribution is a good fit, the points fall within these bounds.
	Anderson-Darling test statistics with corresponding p-values	Use to assess whether your data follow the specified distribution.

FAQ

Waiting too long to extract data ?

Try to restrict data extraction at the first request by entering more information on the prompt.