

The WQI is calculated using the weighted product of the nine parameters, according to the following formula:

$$IQA = \prod_{i=1}^9 q_i^{w_i}$$

Where:

WQI = Water Quality Index. A number between 0 and 100;

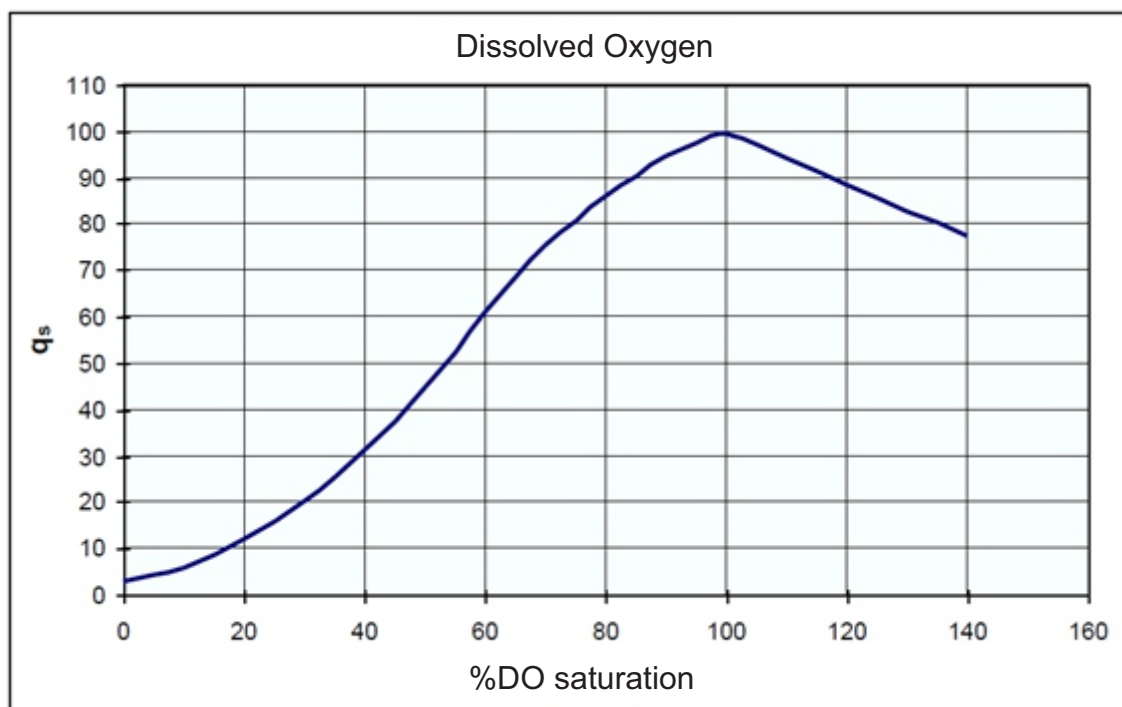
q_i = quality of the i -th parameter. A number between 0 and 100, obtained from the respective quality chart, as a function of its concentration or measurement (analysis result);

w_i = weight corresponding to the i -th parameter fixed according to its importance for the global conformation of quality, that is. a number between 0 and 1, so that:

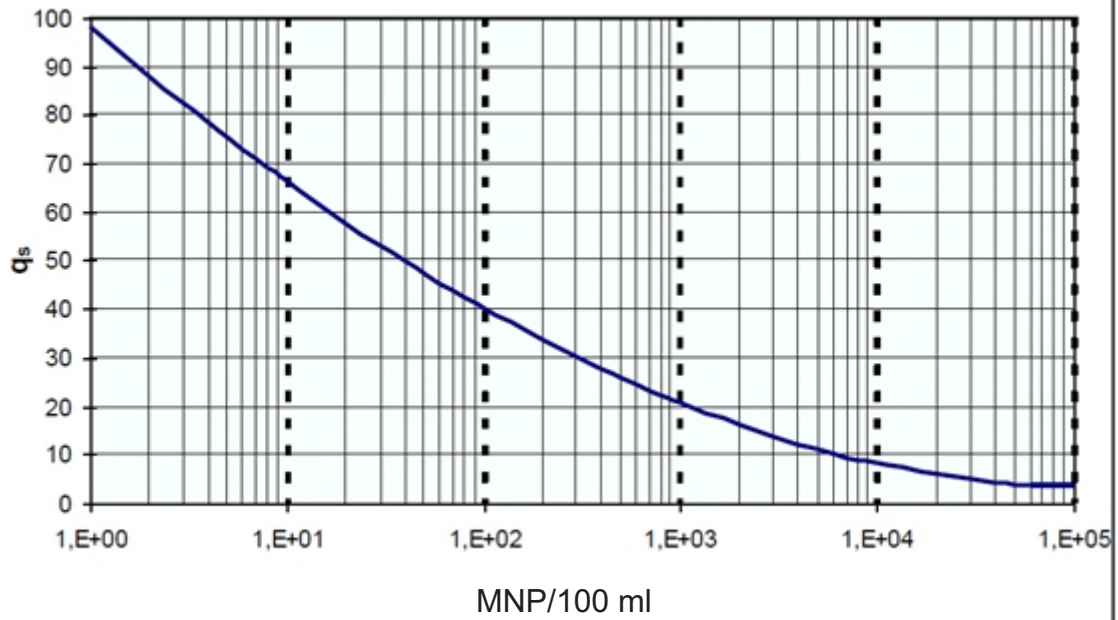
$$\sum_{i=1}^n w_i = 1$$

where n is the number of parameters that enter the WQI calculation.

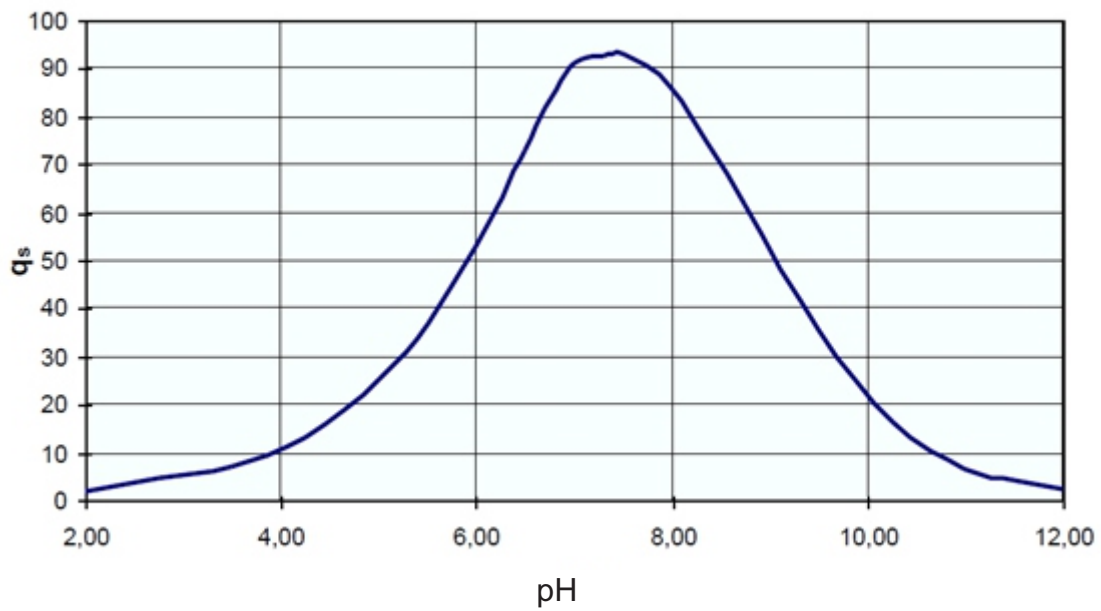
AVERAGE QUALITY CURVES OF PARAMETERS



Escherichia coli



pH



Total Phosphorous

