

Supplementary Information (SI)

Development and certification of a reference material for zearalenone in maize germ oil

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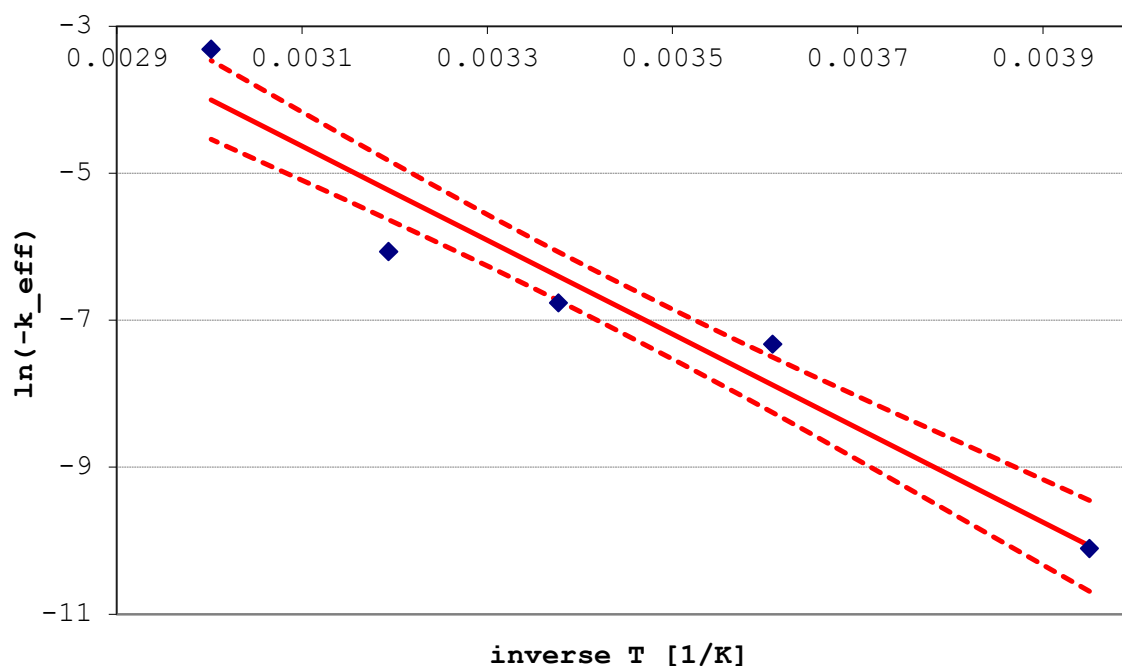


Fig. S1 Effective reaction rate k_{eff} for ZEN in maize germ oil (ERM[®]-BC715) in dependence on the inverse temperature (semilogarithmic plot) by assuming an *Arrhenius* model. Solid line: linear regression over the stability data; dotted lines: upper and lower confidence limits of the regression line

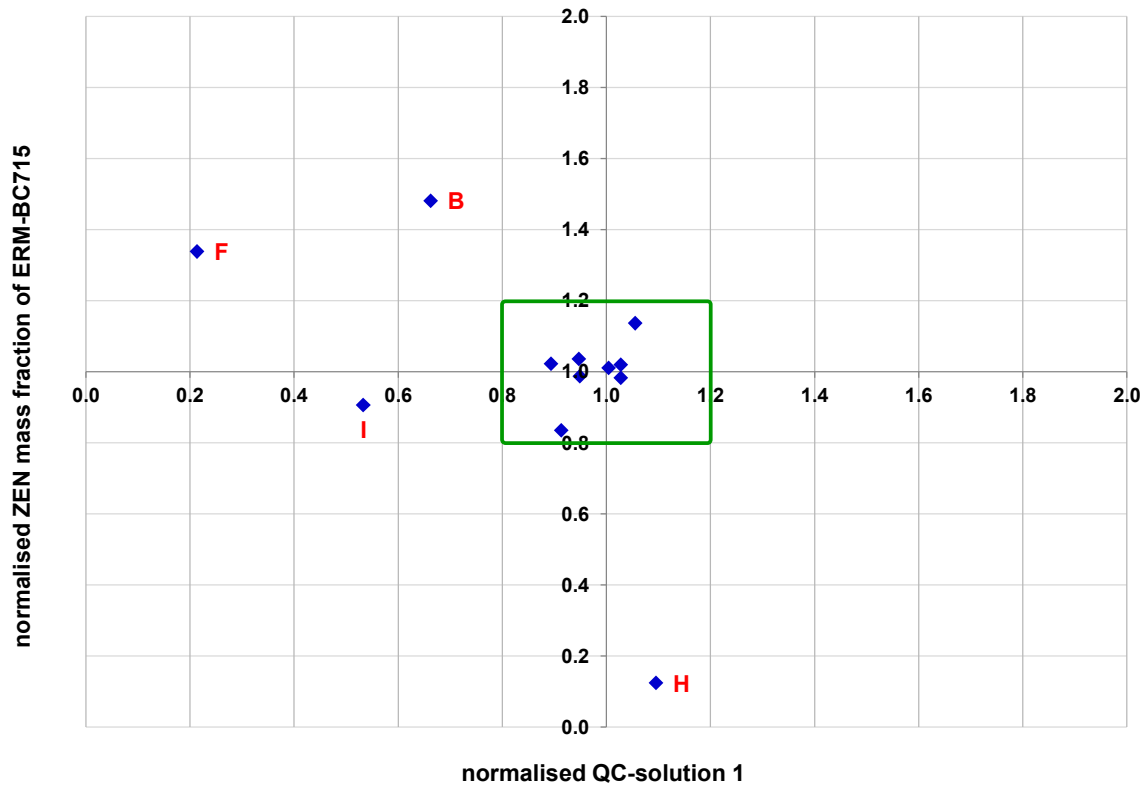


Fig. S2 (a) Youden plot of the normalised laboratory mean values for ZEN in ERM[®]-BC715 against the normalised QC-solution 1 values. Suspected laboratories (B, F, H, I) laying outside $\pm 20\%$ of the target values indicated by the green box.

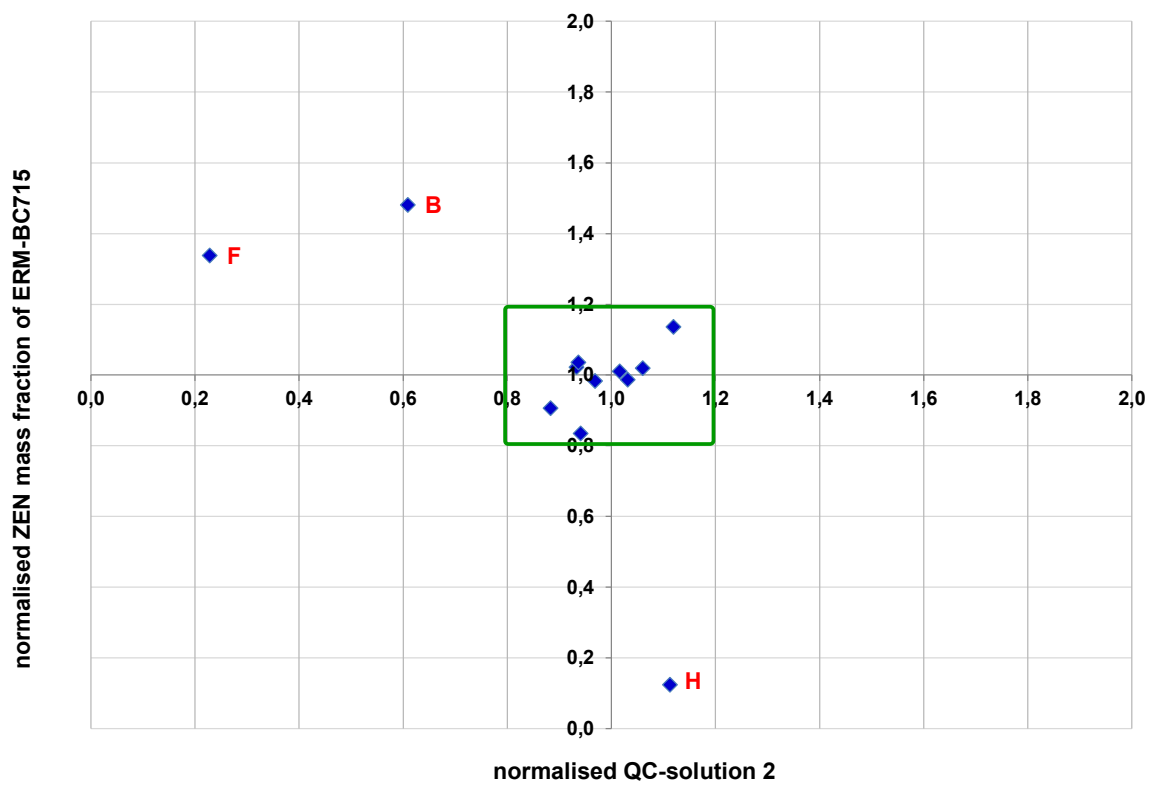


Fig. S2 (b) Youden plot of the normalised laboratory mean values for ZEN in ERM[®]-BC715 against the normalised QC-solution 2 values. Suspected laboratories (B, F, H) laying outside $\pm 20\%$ of the target values indicated by the green box.

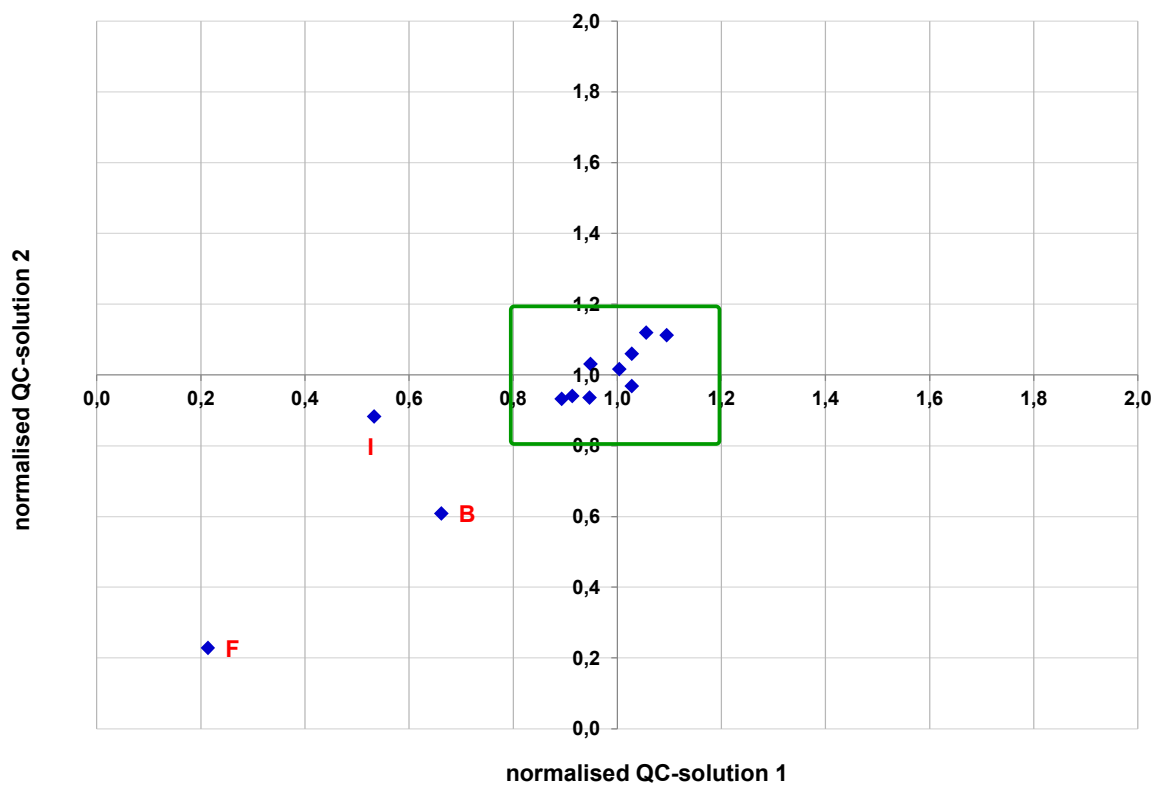


Fig. S2 (c) Youden plot of the normalised QC-solution 2 values against the normalised QC-solution 1 values. Suspected laboratories (B, F, I) laying outside $\pm 20\%$ of the target values indicated by the green box.