

Supplementary

Quantitative Assessment of Destruxins from Strawberry and Maize in the Lower ppb Range: Combination of a QuEChERS-based Extraction Protocol with a Fast and Selective UHPLC-QTOF-MS Assay

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Table S1. Calibration Function Parameters for Destruxin A, Destruxin B and Destruxin E Diluted in Acetonitrile or Spiked into Strawberry and Maize Matrix

analyte	matrix	calibration range [ng/mL]	calibration curve equation (1/X) $y = ax^2 + bx + c$	R^2	LOD [ng/mL]	LOQ [ng/mL]	LOD in matrix [ppb]	LOQ in matrix [ppb]
destruxin A	acetonitrile	1.0 – 100.0	$y = 0.002671 x^2 + 2.001694 x + 0.029909$	0.9999	<1.0	2.4	-	-
destruxin B	acetonitrile	1.0 – 100.0	$y = 0.004952 x^2 + 2.676870 x + 0.121115$	0.9999	<1.0	2.4	-	-
destruxin E	acetonitrile	1.0 – 100.0	$y = 0.002930 x^2 + 1.157565 x + -0.031430$	0.9999	<1.0	1.9	-	-
destruxin A	strawberry	1.0 – 100.0	$y = 0.017046 x^2 + 2.095347 x + 0.127094$	0.9997	<1.0	2.0	<1.0	2.0
destruxin B	strawberry	1.0 – 100.0	$y = 0.024770 x^2 + 2.623640 x + 0.215074$	0.9998	<1.0	1.7	<1.0	1.7
destruxin E	strawberry	1.0 – 100.0	$y = 0.007635 x^2 + 1.071339 x + -0.014753$	0.9998	<1.0	1.7	<1.0	1.7
destruxin A	maize	1.0 – 100.0	$y = 0.033081 x^2 + 1.713772 x + 0.111140$	0.9997	<1.0	2.6	<1.0	2.6
destruxin B	maize	1.0 – 100.0	$y = 0.022264 x^2 + 2.330713 x + 0.108304$	0.9995	1.0	3.2	1.0	3.2

calibration range, calibration curve equation, correlation coefficient (R^2), limit of detection (LOD) and limit of quantitation (LOQ)

calculated in ng/mL for the analytical assay as well as in parts per billion (ppb) for matrix samples. All calibration levels were measured in triplicates and calibration curve equation expressed as the mean.