

Electronic Supplementary Information

Assessment of trace of aflatoxins in non-dairy beverages by molecularly imprinted polymer based micro solid-phase extraction and liquid chromatography-tandem mass spectrometry

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Figure S1. Fourier Transform Infrared Spectroscopy (FT-IR) spectra of MIP after template removal and NIP

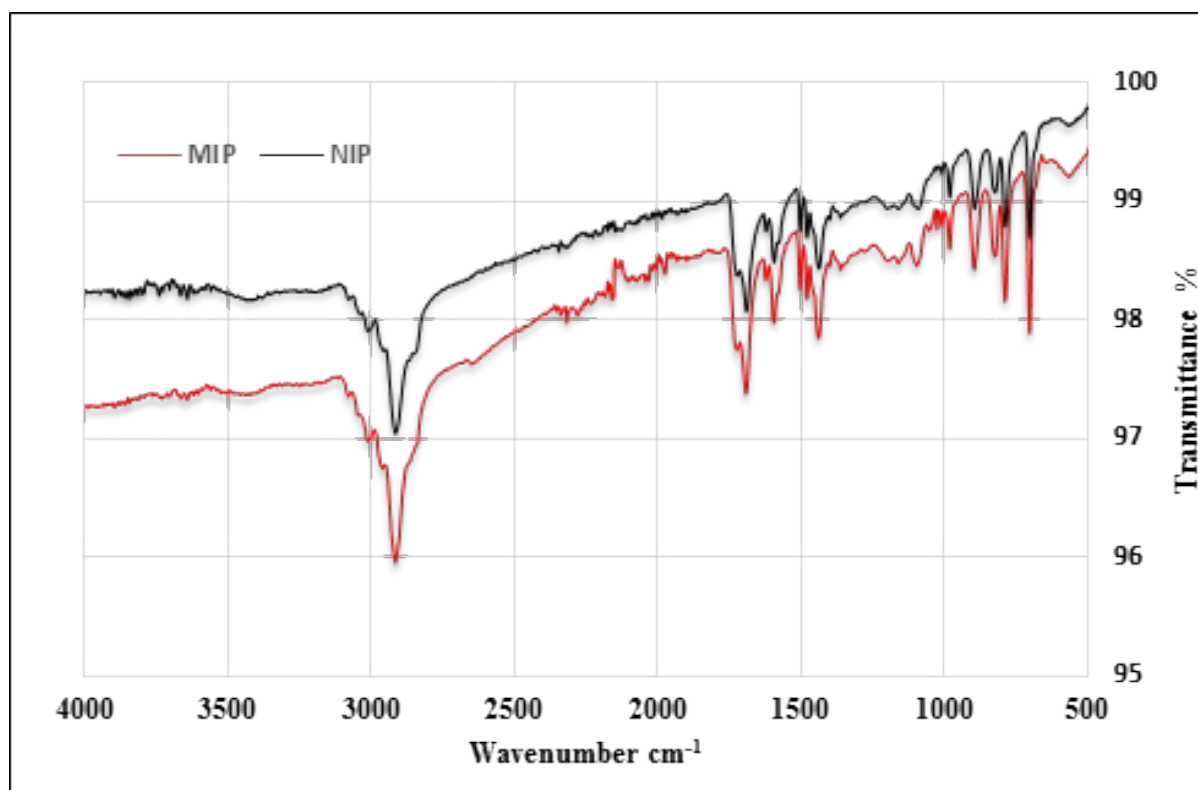


Figure 2. Scanning Electron Microscope (SEM) images of MIP with template (a), MIP without template (b), and NIP (c)

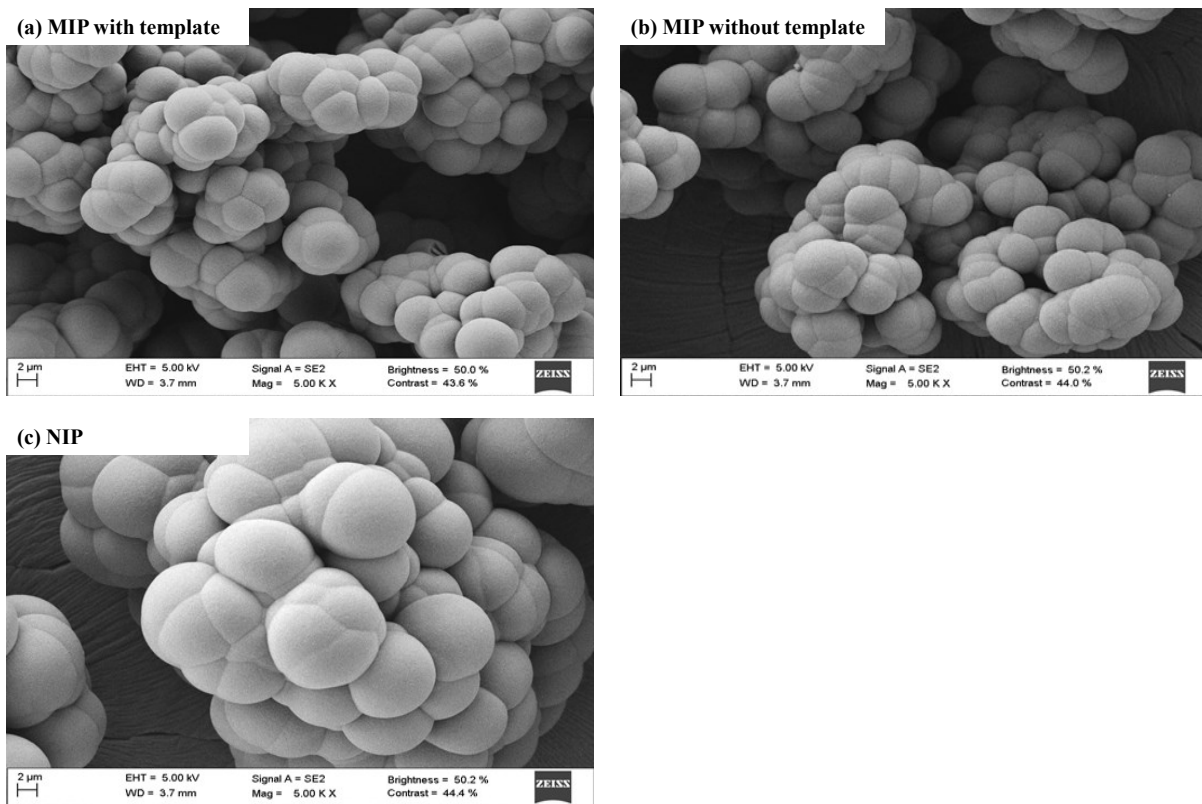


Table S1: Instrument parameters for FIA-MS/MS (cross reactivity studies)

MS/MS ^a						
	Precursor ion (m/z)	Product ion (m/z)	DP(V) ^b	EP(V) ^b	CE(V) ^b	CXP(V) ^b
Vitamin A	269.30	95.10	40.00	10.00	20.50	5.00
Vitamin D	385.40	367.30	40.11	10.15	15.00	5.00
Vitamin C	175.12	115.20	40.00	10.00	15.00	3.00
Glucose ^c	179.00	89.000	50.00	4.00	13.00	8.00
Mannitol ^c	181.05	119.05	100.00	21.00	10.00	10.00
Lysine	147.20	84.10	84.70	10.00	21.00	10.00
Histidine	156.20	110.10	16.00	12.00	19.00	12.00
FIA						
Injection volume	20 μ L					
Flow rate	60 μ L min ⁻¹					
Carrier	0.1 % formic acid in methanol					
Elution time	3.0 min					
(a) Electron spray operation conditions are: Ion spray voltage (IS), 5500 kV; Ion source temperature, 300 °C; nebulizer gas and curtain gas (N ₂), 40 psi; collision gas (N ₂), high						
(b) DP, declustering potential; EP, entrance potential; CE, collision energy; CXP, collision cell exit potential						
(c) Negative mode						