Instrumental parameters for the HPLC-MS/MS analysis of mycotoxins

1) HPLC parameters

Phase A – 0.1% formic acid, 0,5mM ammonium acetate in water
Phase B - 0.1% formic acid, 0,5mM ammonium acetate in methanol

Table S1. HPLC parameters.

	Flow Gradient	
Time, min	A, %	B, %
0,0	85	15
1,0	85	15
4,5	2	98
5,2	2	98
6,5	90	10
7,5	90	10
8,5	85	15
10,5	85	15

2) MS/MS parameters

Method Duration (min): **10,5**

Ion Source
- Ion Source Type: **H-ESI**
- Spray Voltage: **Static**
- Positive Ion (V): **3500**
- Negative Ion (V): **2500**
- Sheath Gas (Arb): **55**
- Aux Gas (Arb): **25**
- Sweep Gas (Arb): **5**
- Ion Transfer Tube Temp (°C): **300**
- Vaporizer Temp (°C): **350**

SRM Scan:
- Use Cycle Time: **True**
- Cycle Time (sec): **0.4**
- Use Calibrated RF Lens: **True**
- Q1 Resolution (FWHM): **0.7**
- Q3 Resolution (FWHM): **1.2**
- CID Gas (mTorr): **1.5**

Table S2. Analysed compound retention time, precursor and product *m/z.*

Analysed compound retention time, precursor and product *m/z*					
Compound	Retention time, min	Mode	Precursor *m/z*	Product *m/z*	Collision energy, *V*
Aflatoxin B1	6,06	+	313	213	43
				241	37
				273	22
Deoxynivalenol	2,08	+	297	231	12
				249	11
Ochratoxin A	7,00	+	404	239	25
				358	13
Fumonisin B1	6,44	+	722	334	21
				352	40
Fumonisin B2	6,86	+	706	318	36
				336	38
T-2	6,75	+	489	327	23
				387	21
HT-2	6,49	+	442	215	10
				263	10
Zearalenone	6,99	-	317	273	18
				157	24