

Supplementary Materials: Regulated and Emerging Mycotoxins in Bulk Raw Milk: What Is the Human Risk?

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Table S1. Hazard Quotient values for mycotoxin consumption in milk samples, for total number of positives (mean and maximum concentrations) and for total number of samples (n=100) (lower (LB) and upper bound (UB)) considering TDI.

	TDI (ng kg ⁻¹ bw day ⁻¹) ^[1]	Total number of positive samples		Total number of samples	
		HQ (Mean)	HQ (Maximum)	HQ (LB)	HQ (UB)
AFB1	-	No TDI established			
AFB2	-	No TDI established			
AFM1	-	No TDI established			
BEA	-	No TDI established			
ENNA	-	No TDI established			
ENNB	-	No TDI established			
FB1*	-	-	-	-	-
FB2*	-	-	-	-	-
HT-2**	-	-	-	-	-
MON	-	No TDI established			
PAT	400	-	-	0.0002 (0.02%)	0.006 (0.6%)
T-2**	-	-	-	-	-
ZEA	250	-	-	0.007 (1%)	0.038 (4%)
Sum of FB1 and FB2*	2000	-	-	0.0003 (0.03%)	0.004 (0.4%)
Sum of T-2 and HT-2**	100	0.050 (5%)	0.189 (19%)	0.011 (1%)	0.018 (2%)

AFB1 – Aflatoxin B1; AFB2 – Aflatoxin B2; AFM1 – Aflatoxin M1; BEA – Beauvericin; ENNA – Enniatin A; ENNB – Enniatin B; FB1 – Fumonisin B1; FB2 – Fumonisin B2; HQ – Hazard Quotient; LB – Lower Bound; MON – Moniliformin; PAT – Patulin; TDI – Tolerable Daily Intake; UB – Upper Bound; ZEA – Zearalenone.

* HQ values are calculated as the sum of FB1 and FB2.

** HQ values are calculated as the sum of T-2 and HT-2.

^[1] Joint FAO/WHO Expert Committee on Food Additives (JECFA) *Evaluation of Certain Mycotoxins in Food: Fifty-Sixth Report of the Joint FAO/WHO Expert Committee on Food Additives*; 2001.

Table S2. Hazard Quotient values for mycotoxin consumption in milk samples, for total number of positives (mean and maximum concentrations) and for total number of samples (n=100) (lower (LB) and upper bound (UB)) considering PMTDI.

	PMTDI (ng kg ⁻¹ bw day ⁻¹) ^[1]	Total number of positive samples		Total number of samples	
		HQ (Mean)	HQ (Maximum)	HQ (LB)	HQ (UB)
AFB1	-	No PMTDI established			
AFB2	-	No PMTDI established			
AFM1	-	No PMTDI established			
BEA	-	No PMTDI established			
ENNA	-	No PMTDI established			
ENNB	-	No PMTDI established			
FB1*	2000	-	-	0.0001 (0.01%)	0.001 (0.1%)
FB2*	2000	-	-	0.0002 (0.02%)	0.003 (0.3%)
HT-2**	60	0.02 (2%)	0.072 (7%)	0.009 (0.9%)	0.01 (1%)
MON	-	No PMTDI established			
PAT	400	-	-	0.0002 (0.02%)	0.01 (1%)
T-2**	60	0.06 (6%)	0.24 (24%)	0.009 (0.9%)	0.02 (2%)
ZEA	500	-	-	0.003 (0.3%)	0.02 (2%)
Sum of FB1 and FB2*	100	0.05 (5%)	0.19 (19%)	0.011 81%)	0.02 (2%)
Sum of T-2 and HT-2**	-	-	-	-	-

AFB1 – Aflatoxin B1; **AFB2** – Aflatoxin B2; **AFM1** – Aflatoxin M1; **BEA** – Beauvericin; **ENNA** – Enniatin A; **ENNB** – Enniatin B; **FB1** – Fumonisin B1; **FB2** – Fumonisin B2; **HQ** – Hazard Quotient; **LB** – Lower Bound; **MON** – Moniliformin; **PAT** – Patulin; **PMTDI** – Provisional Maximum Tolerable Daily Intake; **UB** – Upper Bound; **ZEA** – Zearalenone.

* HQ values are calculated as the sum of FB1 and FB2.

** HQ values are calculated as the sum of T-2 and HT-2.

^[1] Joint FAO/WHO Expert Committee on Food Additives (JECFA) *Evaluation of Certain Mycotoxins in Food: Fifty-Sixth Report of the Joint FAO/WHO Expert Committee on Food Additives*; 2001.