

表3 T-2（上段）、HT-2（下段）の汚染実態

食品群	検体数	陽性率 (%)	濃度範囲 (LB-UB) $\mu\text{g}/\text{kg}$				
			平均値	中央値	最大値		
小麦菓子	30	3.3	0.03 - 0.06	0 - 0.03	0.8		
コーンスープ	12	0	0 - 0.03	0 - 0.03	-		
コーン菓子	13	46.2	0.1 - 0.1	0 - 0.03	0.3		
清涼飲料水	9	0	0 - 0.03	0 - 0.03	-		
米菓子	11	0	0 - 0.03	0 - 0.03	-		
レトルトパウチ	15	0	0 - 0.03	0 - 0.03	-		
合計	90	7.8	0.03 - 0.05	0 - 0.03	0.8		

食品群	検体数	陽性率 (%)	濃度範囲 (LB-UB) $\mu\text{g}/\text{kg}$				
			平均値	中央値	最大値		
小麦菓子	30	6.7	0.3 - 0.5	0 - 0.2	9.6		
コーンスープ	12	8.3	0.1 - 0.2	0 - 0.2	0.8		
コーン菓子	13	15.4	0.1 - 0.5	0 - 0.6	1.0		
清涼飲料水	9	0	0 - 0.2	0 - 0.2	-		
米菓子	11	0	0 - 0.2	0 - 0.2	-		
レトルトパウチ	15	0	0 - 0.2	0 - 0.2	-		
合計	90	5.6	0.1 - 0.4	0 - 0.2	9.6		

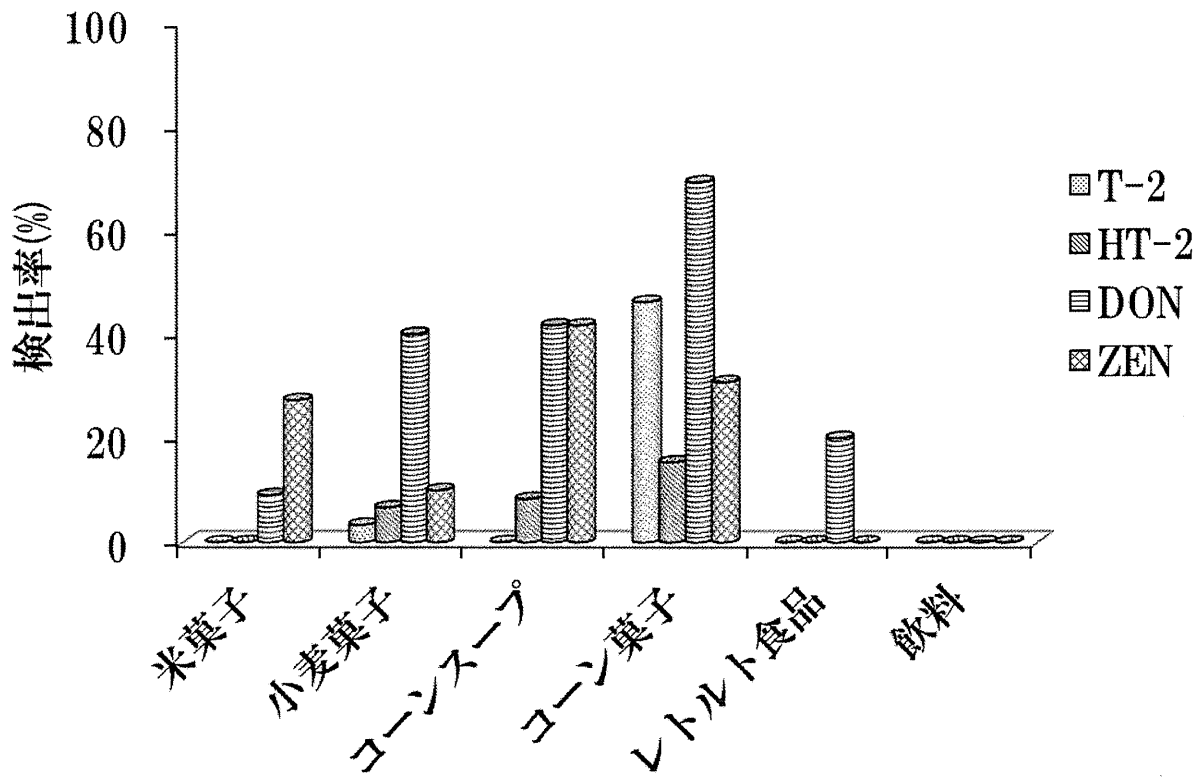


図10 T-2、HT-2、DON及びZENの検出率

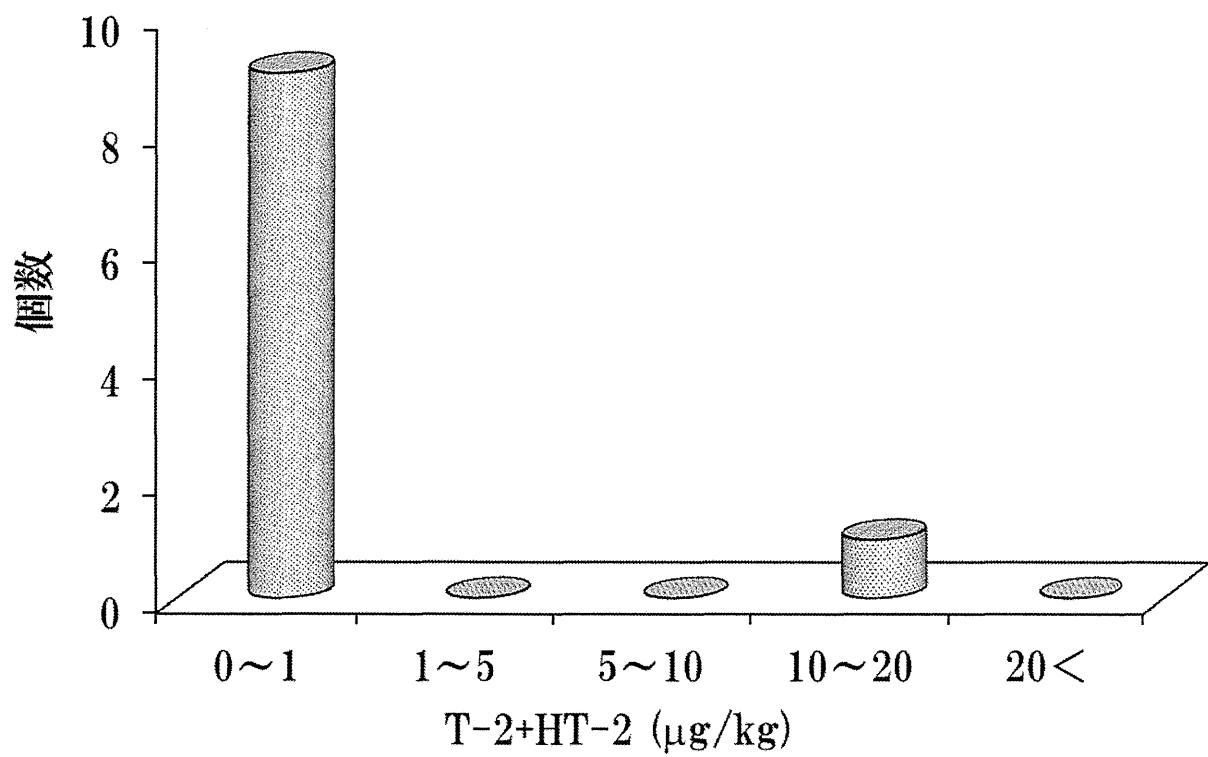


図11 T-2、HT-2が検出された検体の濃度分布
(T-2とHT-2の合算値)

表4 DONの汚染実態

食品群	検体数	陽性率 (%)	濃度範囲 (LB-UB) $\mu\text{g}/\text{kg}$				
			平均値	中央値	最大値		
小麦菓子	30	40.0	3.2 - 4.0	0 - 2.0	22.5		
コーンスープ	12	41.7	15.6 - 16.2	0 - 1.5	89.0		
コーン菓子	13	69.2	21.7 - 22.0	5.0 - 5.0	161		
清涼飲料水	9	0	0 - 1.0	0 - 1.0	-		
米菓子	11	9.1	1.0 - 1.9	0 - 1.0	10.9		
レトルトパウチ	15	20.0	0.9 - 1.7	0 - 1.0	7.2		
合計	90	34.4	6.6 - 7.3	6.5 - 7.3	161		

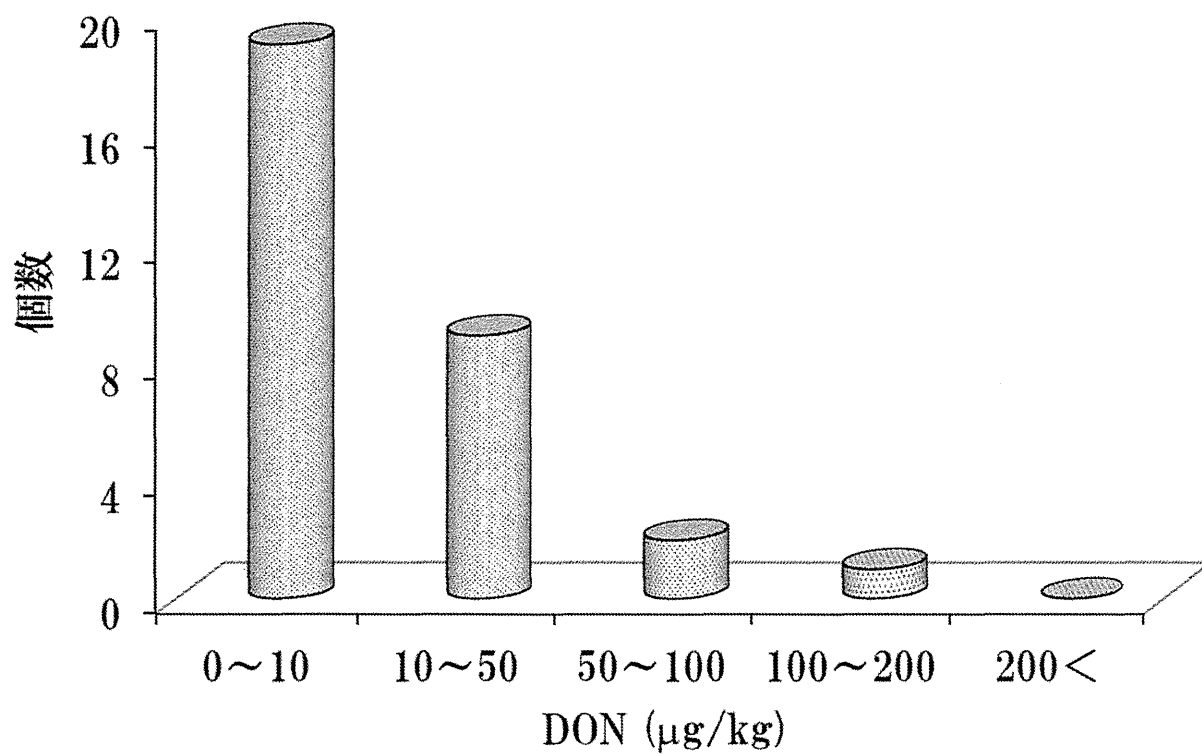


図12 DONが検出された検体の濃度分布

表5 ZENの汚染実態

食品群	検体数	陽性率 (%)	濃度範囲 (LB-UB) $\mu\text{g}/\text{kg}$			
			平均値	中央値	最大値	
小麦菓子	30	10.0	0.05 - 0.07	0 - 0.02	0.8	
コーンスープ	12	41.7	1.0 - 1.0	0 - 0.02	6.9	
コーン菓子	13	30.8	0.5 - 0.6	0 - 0.02	3.7	
清涼飲料水	9	0	0 - 0.02	0 - 0.02	-	
米菓子	11	27.3	0.09 - 0.1	0 - 0.02	0.4	
レトルトパウチ	15	0	0 - 0.02	0 - 0.02	-	
合計	90	16.7	0.2 - 0.3	0 - 0.02	6.9	

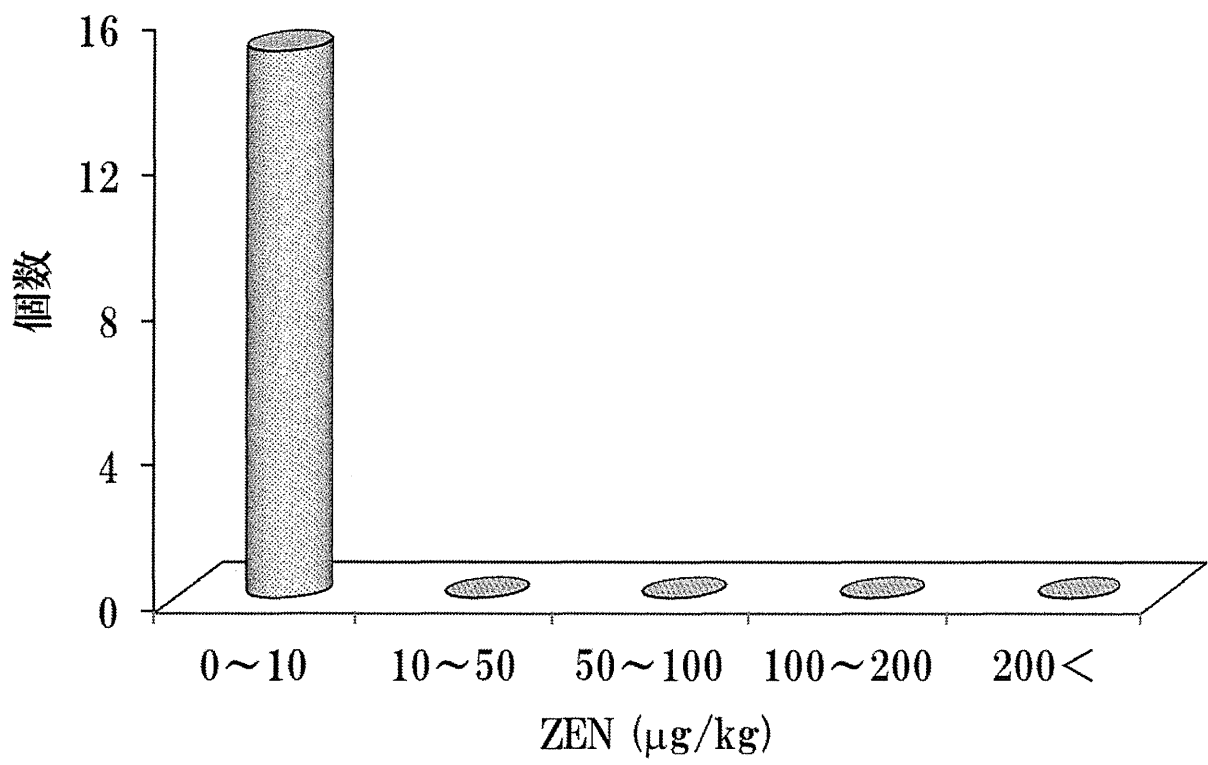


図13 ZENが検出された検体の濃度分布

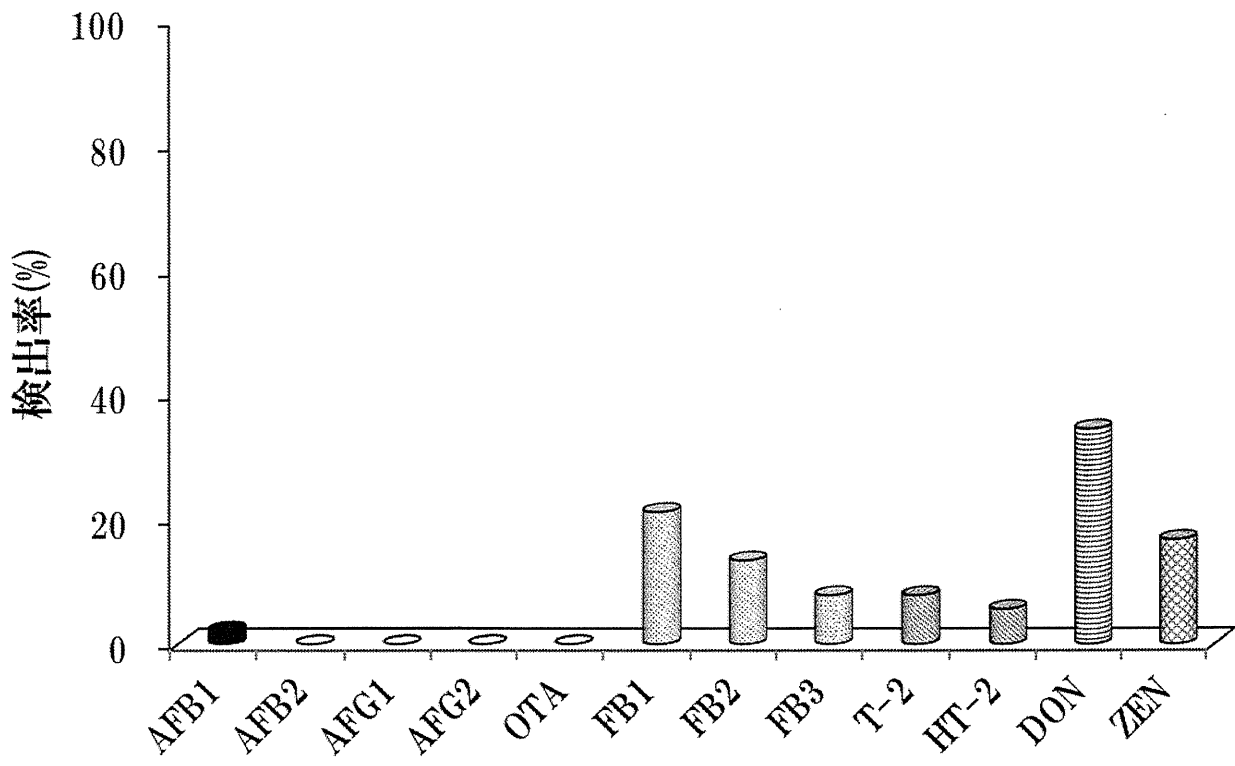


図14 12種のカビ毒の乳幼児用食品における検出率

(資料)

汚染実態調査の個表

各カビ毒の検出限界値 (LOD) と定量限界値 (LOQ)

	AFB ₁	AFB ₂	AFG ₁	AFG ₂	OTA	FB ₁	FB ₂	FB ₃	T-2	HT-2	DON	ZEN
LOD	0.03	0.04	0.02	0.06	0.04	0.5	0.5	0.5	0.03	0.2	1	0.02
LOQ	0.1	0.1	0.05	0.2	0.1	1	1	1	0.09	0.6	2	0.08

(μg/kg)

標準品のクロマトグラムからシグナル/ノイズ (S/N) 比を算出し、S/N=3 の濃度を LOD、S/N=10 の濃度を LOQ とした。
 なお、以下の表中において、ND は LOD 以下、下線の値は LOD 以上 LOQ 未満の参考値を示している。

小麦葉子の結果（その1）

サンプルID	AFB ₁ (μg/kg)	AFB ₂ (μg/kg)	AFG ₁ (μg/kg)	AFG ₂ (μg/kg)	OTA (μg/kg)	FB ₁ (μg/kg)	FB ₂ (μg/kg)	FB ₃ (μg/kg)	T-2 (μg/kg)	HT-2 (μg/kg)	DON (μg/kg)	ZEN (μg/kg)
26-BF04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<u>1.8</u>	ND
26-BF07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<u>1.3</u>	ND
26-BF13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<u>1.3</u>	ND
26-BF14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.1	ND
26-BF24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<u>1.5</u>	ND
26-BF25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2	ND
26-BF32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<u>1.2</u>	ND

小麦菓子の結果 (その 2)

サンプルID	AFB ₁ (μg/kg)	AFB ₂ (μg/kg)	AFG ₁ (μg/kg)	AFG ₂ (μg/kg)	OTA (μg/kg)	FB ₁ (μg/kg)	FB ₂ (μg/kg)	FB ₃ (μg/kg)	T-2 (μg/kg)	HT-2 (μg/kg)	DON (μg/kg)	ZEN (μg/kg)
26-BF36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND
26-BF64	ND	ND	ND	ND	ND	ND	ND	ND	ND	<u>0.4</u>	10.5	ND
26-BF65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.0	ND
26-BF66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	ND
26-BF67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.8	ND
26-BF68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.4	ND
26-BF69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.5	ND
26-BF70	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.9	ND	0.8
26-BF78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.2	ND
26-BF88	ND	ND	ND	ND	ND	ND	ND	ND	0.8	9.6	12.0	0.2
26-BF89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5
26-BF90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.0	ND

コーンスープの結果

サンプルID	AFB ₁ (μg/kg)	AFB ₂ (μg/kg)	AFG ₁ (μg/kg)	AFG ₂ (μg/kg)	OTA (μg/kg)	FB ₁ (μg/kg)	FB ₂ (μg/kg)	FB ₃ (μg/kg)	T-2 (μg/kg)	HT-2 (μg/kg)	DON (μg/kg)	ZEN (μg/kg)
26-BF18	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	29.7	0.2
26-BF19	ND	ND	ND	ND	ND	1.7	3.6	ND	ND	ND	ND	3.0
26-BF20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF21	ND	ND	ND	ND	ND	1.4	3.4	ND	ND	ND	ND	0.7
26-BF22	ND	ND	ND	ND	ND	2.6	ND	ND	ND	<u>0.2</u>	19.8	ND
26-BF45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF94	ND	ND	ND	ND	ND	2.2	ND	ND	ND	0.8	89.0	ND
26-BF95	ND	ND	ND	ND	ND	2.0	4.5	ND	ND	ND	ND	1.6
26-BF96	ND	ND	ND	ND	ND	<u>0.8</u>	1.1	ND	ND	ND	ND	6.9
26-BF97	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND	44.8	ND
26-BF98	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5	ND
26-BF99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<u>1.9</u>	ND

コーン菓子の結果

サンプルID	AFB ₁ (μg/kg)	AFB ₂ (μg/kg)	AFG ₁ (μg/kg)	AFG ₂ (μg/kg)	OTA (μg/kg)	FB ₁ (μg/kg)	FB ₂ (μg/kg)	FB ₃ (μg/kg)	T-2 (μg/kg)	HT-2 (μg/kg)	DON (μg/kg)	ZEN (μg/kg)
26-BF01	ND	ND	ND	ND	ND	ND	ND	ND	ND	<u>0.4</u>	ND	0.3
26-BF26	ND	ND	ND	ND	ND	2.0	ND	ND	ND	ND	ND	ND
26-BF27	ND	ND	ND	ND	ND	18.6	6.1	3.5	0.2	ND	6.8	ND
26-BF28	ND	ND	ND	ND	ND	98.3	34.7	18.7	0.3	<u>0.4</u>	161.1	3.7
26-BF34	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND
26-BF37	ND	ND	ND	ND	ND	9.2	1.6	1.1	0.3	0.6	7.8	ND
26-BF91	ND	ND	ND	ND	ND	8.9	2.5	1.3	ND	<u>0.3</u>	5.0	ND
26-BF92	ND	ND	ND	ND	ND	10.0	3.2	1.4	0.2	<u>0.4</u>	4.2	ND
26-BF93	ND	ND	ND	ND	ND	108.9	40.5	22.4	ND	<u>0.3</u>	76.0	2.7
26-BF100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF101	ND	ND	ND	ND	ND	1.9	<u>0.9</u>	ND	0.3	<u>0.5</u>	11.6	0.4
26-BF102	0.12	ND	ND	ND	ND	4.9	<u>1.0</u>	<u>0.5</u>	0.2	ND	5.6	ND
26-BF103	ND	ND	ND	ND	ND	5.1	2.3	<u>0.8</u>	ND	1.0	3.6	ND

飲料の結果

サンプルID	AFB ₁ (μg/kg)	AFB ₂ (μg/kg)	AFG ₁ (μg/kg)	AFG ₂ (μg/kg)	OTA (μg/kg)	FB ₁ (μg/kg)	FB ₂ (μg/kg)	FB ₃ (μg/kg)	T-2 (μg/kg)	HT-2 (μg/kg)	DON (μg/kg)	ZEN (μg/kg)
26-BF41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF104	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF106	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

米菓子の結果

サンプルID	AFB ₁ (μg/kg)	AFB ₂ (μg/kg)	AFG ₁ (μg/kg)	AFG ₂ (μg/kg)	OTA (μg/kg)	FB ₁ (μg/kg)	FB ₂ (μg/kg)	FB ₃ (μg/kg)	T-2 (μg/kg)	HT-2 (μg/kg)	DON (μg/kg)	ZEN (μg/kg)
26-BF03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4
26-BF73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3	ND
26-BF74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF75	ND	ND	ND	ND	ND	17.1	5.8	3.3	ND	ND	10.9	0.2
26-BF76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3
26-BF77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

レトルト食品の結果

サンプルID	AFB ₁ (μg/kg)	AFB ₂ (μg/kg)	AFG ₁ (μg/kg)	AFG ₂ (μg/kg)	OTA (μg/kg)	FB ₁ (μg/kg)	FB ₂ (μg/kg)	FB ₃ (μg/kg)	T-2 (μg/kg)	HT-2 (μg/kg)	DON (μg/kg)	ZEN (μg/kg)
26-BF10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.2	ND
26-BF17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
26-BF82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0	ND
26-BF83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7	ND
26-BF84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

