

Health Safety Assessment of Ready-to-Eat Products Consumed by Children Aged 0.5–3 Years on the Polish Market

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Table S1. The content of toxic elements in tested products.

Type of products	<i>n</i>	As (µg/kg)	Cd (µg/kg)	Hg (µg/kg)	Pb (µg/kg)
		X ± SD	X ± SD	X ± SD	X ± SD
		(Min-Max)	(Min-Max)	(Min-Max)	(Min-Max)
		Me(Q1-Q3)	Me(Q1-Q3)	Me(Q1-Q3)	Me(Q1-Q3)
BABY DINNERS	102	1.86 ± 0.42 (<LOD-16.97) 0.19(0.16-0.67)	2.31 ± 0.33 (0.30-20.15) 1.22(0.78-2.03)	2.97 ± 0.44 (<LOD-37.25) 1.46(0.51-4.02)	7.55 ± 0.41 (0.52-32.27) 6.76(5.57-9.17)
-with poultry	24	0.24 ± 0.04 (<LOD -0.79) 0.17(0.15-0.32)	1.19 ± 0.14 (0.42-2.72) 1.07(0.62-1.79)	3.54 ± 1.55 (<LOD-37.25) 0.97(0.34-3.58)	8.46 ± 1.29 (0.76-32.27) 7.32(5.65-10.43)
-with beef	16	0.34 ± 0.06 (0.15-1.17) 0.24(0.16-0.42)	1.77 ± 0.41 (0.51-7.35) 1.25(0.73-2.06)	2.50 ± 3.36 (0.23-10.26) 0.64(0.52-4.24)	5.32 ± 0.76 (0.52-10.81) 5.38(3.33-6.36)
-with pork	13	0.28 ± 0.058 (<LOD-0.69) 0.26(0.16-0.33)	3.31 ± 1.08 (0.57-11.79) 1.73(0.57-11.79)	1.64 ± 0.74 (<LOD-9.51) 0.37(0.16-2.03)	7.24 ± 1.12 (2.26-17.13) 6.37(4.75-10.21)
-with fish	18	2.88 ± 1.27 (0.52-16.97) 1.94(1.11-3.48)	3.67 ± 1.35 (0.42-20.15) 1.38(5.90-9.17)	9.21 ± 0.57 (1.81-16.97) 10.52(3.60-13.04)	8.02 ± 0.63 (5.28-13.60) 7.06(5.90-9.17)
-with rabbit	11	0.31 ± 0.1 (<LOD-1.02) 0.18(0.16-0.36)	1.39 ± 0.27 (0.30-0.58) 1.14(0.58-1.87)	2.59 ± 0.96 (<LOD-9.87) 1.23(0.20-4.51)	7.87 ± 1.27 (1.86-15.63) 7.82(5.40-10.46)
-vegetarian	20	0.29 ± 0.06 (0.13-1.11) 0.161(0.15-0.31)	2.74 ± 0.77 (0.31-11.56) 1.63(0.96-2.07)	3.86 ± 0.68 (1.08-11.83) 2.44(1.83-5.11)	7.86 ± 0.52 (5.47-13.03) 1.63(0.96-2.07)
PORRIDGE	50	2.30 ± 0.33 (<LOD-8.48) 1.11(0.62-3.60)	2.77 ± 0.40 (0.46-16.03) 1.71(1.25-3.12)	4.2 ± 0.35 (0.72-9.11) 4.20(1.41-6.04)	8.09 ± 0.70 (1.96-25.37) 6.28(5.34-8.26)
-with milk	8	0.61 ± 0.12 (<LOD-1.16) 0.63 (0.46-0.76)	1.66 ± 0.49 (0.68-5.03) 1.31(1.00-1.45)	3.01 ± 1.06 (0.95-8.97) 1.28(1.03-4.76)	6.21 ± 0.82 (4.42-10.38) 5.16(4.76-7.52)

-with milk and fruit	15	1.47 ± 0.32 (0.23-4.40) 0.95(0.58-2.24)	1.98 ± 0.33 (0.46-4.68) 1.48(1.10-2.92)	3.60 ± 0.54 (0.72-6.35) 3.45(1.41-6.04)	7.90 ± 1.4 (3.97-24.26) 6.18(5.1-7.14)
-cereal gluten	12	1.66 ± 0.54 (0.21-6.95) 0.97(0.21-6.95)	3.30 ± 0.83 (0.67-9.31) 2.07(1.28-4.70)	4.86 ± 0.59 (1.25-8.99) 5.04(3.39-5.75)	8.61 ± 1.58 (1.96-17.93) 6.95(4.84-12.07)
-cereal gluten free	15	4.31 ± 0.72 (0.18-8.48) 4.47(1.55-7.40)	3.72 ± 1.04 (0.69-16.03) 2.09(1.41-4.25)	4.89 ± 0.69 (0.91-9.11) 6.00(1.52-6.33)	8.87 ± 1.36 (5.35-25.37) 6.75(5.63-9.52)
FRUIT AND VEGETABLE MOUSSES	58	0.19 ± 0.48 (<LOD-0.54) 0.17(0.147-0.311)	1.39 ± 2.32 (0.15-10.14) 0.66(0.49-1.46)	3.93 ± 0.26 (0.95-23.86) 3.12(1.73-5.01)	7.97 ± 0.02 (3.03-138.99) 4.95(4.41-6.61)
-fruit and vegetables	9	0.21 ± 2.43 (<LOD-0.54) 0.17(0.14-0.34)	2.27 ± 0.88 (0.37-9.77) 0.65(0.56-1.23)	5.75 ± 1.12 (1.01-23.86) 3.66(1.24-5.45)	5.98 ± 0.06 (3.95-10.60) 0.17(0.14-0.34)
-fruit	33	0.19 ± 0.03 (<LOD-0.40) 0.17 (<LOD-0.31)	1.22 ± 0.33 (0.16-10.14) 0.65 (0.41-0.90)	3.77 ± 0.46 (0.95-13.24) 3.24(2.10-5.01)	9.40 ± 4.06 (3.03-138.9) 4.84(0.00-0.31)
-fruit and cereal	6	0.16 ± 0.09 (<LOD-0.29) 0.17(0.15-0.17)	0.74 ± 0.54 (0.15-1.56) 0.57(0.39-1.22)	3.47 ± 2.50 (1.72-8.21) 2.42(1.76-4.27)	6.58 ± 4.27 (4.00-15.19) 5.00(4.46-5.80)
-fruit and dairy	6	0.23 ± 0.14 (<LOD-0.36) 0.25(0.17-0.35)	1.24 ± 2.30 (0.24-3.33) 0.72(0.42-2.01)	3.71 ± 2.30 (1.07-6.35) 3.44(1.72-6.21)	6.24 ± 1.47 (3.92-7.69) 6.47(5.28-7.58)
-vegetables	4	0.18 ± 0.15 (<LOD-0.37) 0.18(0.08-0.28)	1.93 ± 0.27 (1.68-2.19) 1.92(1.69-2.16)	2.26 ± 0.83 (1.55-3.27) 2.11(1.58-2.93)	5.41 ± 1.91 (3.54-8.05) 5.01(4.13-6.67)
BABY DRINKS	64	0.88 ± 2.04 (<LOD-9.09) 0.15(0.14-0.29)	3.39 ± 1.3 (0.14-18.54) 0.48(0.29-1.14)	2.89 ± 1.87 (1.00-9.11) 2.31(1.45-3.78)	1.14 ± 0.98 (0.46-3.96) 9.98(8.88-13.33)
-fruit drinks and water	22	2.27 ± 3.13 (<LOD-9.09) 0.16(0.13-3.73)	4.17 ± 5.98 (0.16-18.54) 1.2(0.50-5.02)	2.90 ± 1.62 (1.00-7.38) 1.01(1.87-3.73)	1.79 ± 1.97 (0.46-3.96) 1.42(0.46-3.97)
-fruit juices	42	0.19 ± 0.15 (<LOD-0.65) 0.15(0.14-0.27)	0.66 ± 2.01 (0.14-6.82) 0.38(0.28-0.58)	2.88 ± 2.00 (1.00-9.11) 2.1(1.41-4.09)	1.03 ± 0.27 (0.57-2.16) 0.98(0.87-1.10)
SNACKS “FOR THE HAND”	62	2.92 ± 10.77 (0.19-2.91) 0.78(0.38-2.00)	3.09 ± 1.69 (0.46-16.08) 2.29(1.43-3.44)	2.36 ± 1.69 (<LOD-7.02) 1.97(1.05-3.25)	12.8 ± 7.56 (4.54-48.18) 10.68(8.85-14.30)
-waffle/crisps	30	4.88 ± 15.34 (0.19-84.71) 0.78(0.38-3.26)	3.51 ± 3.38 (0.46-16.08) 2.62(1.31-3.80)	2.23 ± 1.59 (0.34-6.46) 1.46(1.2-3.2)	13.83 ± 9.08 (4.54-48.18) 11.83(9.22-15.06)
-biscuits/cookies	17	0.93 ± 0.82 (0.20-2.72) 0.71(0.22-1.22)	2.58 ± 1.30 (1.19-6.68) 2.43(1.63-2.99)	2.33 ± 2.10 (<LOD-7.02) 1.91(1.03-2.70)	10.4 ± 4.40 (7.01-23.72) 9.17(8.01-10.81)
-fruit bars	15	1.27 ± 0.86 (0.21-2.91) 1.15(0.47-1.66)	2.83 ± 2.82 (0.62-9.81) 1.83(0.78-2.85)	2.65 ± 1.47 (0.73-5.36) 2.32(1.31-4.01)	14.15 ± 6.73 (7.75-30.99) 12.09(9.43-14.56)
DAIRY	60	0.10 ± 0.16 (<LOD-0.80)	0.95 ± 2.56 (0.11-17.79)	3.02 ± 2.56 (0.11-15.23)	6.66 ± 3.11 (2.13-21.01)

		<LOD(<LOD-0.80)	2.13(1.35-4.50)	2.13(1.35-4.50)	6.11(4.71-7.29)
-yellow cheese	28	0.11 ± 0.15	1.51 ± 3.56	2.94 ± 2.99	7.5 ± 3.90
		(<LOD-0.58)	(0.11-17.79)	(1.00-15.23)	(3.54-21.01)
		<LOD(<LOD-0.19)	0.25(0.20-0.66)	1.96(1.40-2.85)	6.51(5.08-8.59)
-yogurt	32	0.1 ± 0.17	0.45 ± 0.78	3.09 ± 2.16	5.93 ± 2.0
		(<LOD-0.80)	(0.19-4.64)	(0.11-7.87)	(2.13-11.46)
		<LOD(<LOD-0.181)	0.26(0.21-0.40)	2.73(1.31-4.83)	6.04(4.54-6.92)
TOTAL	397	1.41 ± 0.25	2.08 ± 0.15	3.16 ± 0.16	9.27 ± 0.44
		(<LOD-84.71)	(0.11-20.15)	(<LOD-37.25)	(0.46-138.99)
		0.23(0.15-0.77)	1.12(0.49-2.08)	2.11(1.21-4.36)	7.64(5.46-10.31)

LOD – limits of detection, max – maximum, min – minimum, SD – standard deviation, X – mean.