



Raw material purchase in the QS scheme

SELECTED COUNTRIES OF ORIGIN • TOP 3 RAW MATERIALS

TOP 3 PARAMETERS WITH DETECTED VALUE

Argentina: 169 samples (4.195 analyses)			
<i>Number of analyses</i>	<i>Value detected (%)</i>	<i>Results Abnormalities*</i>	<i>Limit values</i>
Soy/-byproducts (1.825)			
Sum Dioxin and dl PCB (4)	100,0	all < 0,75 ng/kg	HG 1,5 ng/kg
Cadmium (36)	61,1	all < 0,5 mg/kg	HG 1 mg/kg
ZEA (50)	32,0	all < 0,5 mg/kg	-
Fatty acids from chemical refining (1.076)			
Dioxin (38)	97,4	11x ≥ 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
dl PCB (38)	94,7	all < 0,25 ng/kg	AGW 0,5 ng/kg
PAK (15)	86,7	all < 80 µg/kg	RW 160 µg/kg
Sunflower (256)			
Dioxin (9)	100,0	all < 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
Cadmium (8)	87,5	all < 0,5 mg/kg	HG 1 mg/kg
dl PCB (6)	83,3	all < 0,25 ng/kg	AGW 0,5 ng/kg
Austria: 3.658 samples (51.760 analyses)			
<i>Number of analyses</i>	<i>Value detected (%)</i>	<i>Results Abnormalities*</i>	<i>Limit values</i>
Wheat/-byproducts (22.758)			
Dioxin (53)	69,8	all < 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
dl PCB (54)	59,3	1x ≥ 0,175 ng/kg	AGW 0,35 ng/kg
Cadmium (177)	57,1	1x ≥ 0,5 mg/kg	HG 1 mg/kg
Maize/-byproducts (10.259)			
dl PCB (14)	100,0	2x ≥ 0,175 ng/kg	AGW 0,35 ng/kg
DON (362)	71,3	11x ≥ 4 mg/kg	RW maize 8 mg/kg byprod. 12 mg/kg
ZEA (363)	46,8	5x ≥ 1 mg/kg	RW maize 2 mg/kg byprod. 3 mg/kg
Soy/-byproducts (2.648)			
Dioxin (20)	75,0	all < 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
Cadmium (38)	60,5	all < 0,5 mg/kg	HG 1 mg/kg
Arsenic (38)	34,2	all < 1 mg/kg	HG 2 mg/kg



Qualitätssicherung. **Vom Landwirt bis zur Ladentheke.**



**QS. Ihr Prüfsystem
für Lebensmittel.**

Brazil: 584 samples (7.544 analyses)				
	<i>Number of analyses</i>	<i>Value detected (%)</i>	<i>Results Abnormalities*</i>	<i>Limit values</i>
Soy/-byproducts (6.080)				
Cadmium (134)		69,4	all < 0,5 mg/kg	HG 1 mg/kg
Dioxin (85)		57,7	2x ≥ 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
dl PCB (83)		49,4	all < 0,175 ng/kg	AGW 0,35 byprod. 0,5 ng/kg
Maize/-byproducts (494)				
ndl PCB (3)		100,0	all < 5 µg/kg	HG 10 µg/kg AGW Dioxin 0,5 ng/kg dl PCB 0,35 ng/kg
Dioxin/dl PCB (10)		90,0	all < 0,175 ng/kg	HG Dioxin 0,75 ng/kg RW maize 2 mg/kg
ZEA (9)		22,2	all < 1 mg/kg	byprod. 3 mg/kg
Fatty acids from chemical refining (454)				
Dioxin (8)		100,0	3x ≥ 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
PAK (7)		100,0	all < 80 µg/kg	RW 160 µg/kg
dl PCB (8)		75,0	all < 0,25 ng/kg	AGW 0,5 ng/kg

China: 140 samples (3.555 analyses)				
	<i>Number of analyses</i>	<i>Value detected (%)</i>	<i>Results Abnormalities*</i>	<i>Limit values</i>
Soy (2.136)				
Lead (2)		100,0	all < 5 mg/kg	HG 10 mg/kg
Cadmium (2)		100,0	all < 0,5 mg/kg	HG 1 mg/kg
ZEA (1)		100,0	all < 0,5 mg/kg	-
Magnesium oxide (186)				
Arsenic (27)		100,0	1x ≥ 10 mg/kg	HG 20 mg/kg
Lead (27)		100,0	4x ≥ 5 mg/kg	HG 10 mg/kg
Dioxin (28)		100,0	all < 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
Anticaking agents (149)				
Dioxin (25)		100,0	5x ≥ 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
dl PCB (6)		100,0	all < 0,25 ng/kg	AGW 0,5 ng/kg
ndl PCB (6)		100,0	all < 5 µg/kg	HG 10 µg/kg



Czech Republic: 273 samples (8.952 analyses)			
<i>Number of analyses</i>	<i>Value detected (%)</i>	<i>Results Abnormalities*</i>	<i>Limit values</i>
Wheat/-byproducts (6.665)			
Cadmium (25)	100,0	all < 0,5 mg/kg	HG 1 mg/kg
ndl PCB (3)	66,7	all < 5 µg/kg	HG 10 µg/kg
DON (39)	48,7	all < 4 mg/kg	RW 8 mg/kg
Maize/-byproducts (714)			
DON (3)	100,0	all < 4 mg/kg	RW maize 8 mg/kg byprod. 12 mg/kg
ZEA (3)	66,7	all < 1 mg/kg	RW maize 2 mg/kg byprod. 3 mg/kg
Aflatoxin B1 (49)	2,0	all < 0,01 mg/kg	HG 0,02 mg/kg
Rapeseed/- byproducts (252)			
Dioxin (8)	100,0	all < 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
dl PCB (5)	100,0	all < 0,25 ng/kg	AGW 0,5 ng/kg
ndl PCB (4)	25,0	all < 5 µg/kg	HG 10 µg/kg

France: 836 samples (15.251 analyses)			
<i>Number of analyses</i>	<i>Value detected (%)</i>	<i>Results Abnormalities*</i>	<i>Limit values</i>
Wheat/-byproducts (7.728)			
Dioxin (25)	96,0	all < 0,25 ng/kg	AGW 0,5 ng/kg
Cadmium (59)	74,6	all < 0,5 mg/kg	HG 1 mg/kg
DON (81)	64,2	all < 4 mg/kg	RW 8 mg/kg
Maize/-byproducts (1.712)			
dl PCB (7)	85,7	all < 0,175 ng/kg	AGW 0,35 ng/kg
DON (31)	80,7	2x ≥ 4 mg/kg	RW maize 8 mg/kg
ZEA (30)	70,0	2x ≥ 1 mg/kg	RW maize 2 mg/kg byprod. 3 mg/kg
Milk/-byproducts (1.230)			
dl PCB (66)	98,5	1x ≥ 0,175 ng/kg	AGW 0,35 ng/kg
Dioxin (67)	97,0	2x ≥ 0,25 ng/kg	AGW 0,5 ng/kg
Antibiotic active substances (65)	30,8	2x positive	



Qualitätssicherung. **Vom Landwirt bis zur Ladentheke.**



**QS. Ihr Prüfsystem
für Lebensmittel.**

Germany: 81.335 samples (2.058.887 analyses)				
	<i>Number of analyses</i>	<i>Value detected (%)</i>	<i>Results Abnormalities*</i>	<i>Limit values</i>
Wheat/-byproducts (757.529)				
Cadmium (4.252)		95,0	4x ≥ 0,5 mg/kg	HG 1 mg/kg
DON (7.058)		56,7	32x ≥ 4 mg/kg	RW 8 mg/kg
Dioxin (1.220)		44,9	2x ≥ 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
Maize/-byproducts (131.046)				
Dioxin (794)		81,1	20x ≥ 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
ZEA (3.350)		79,3	83x ≥ 1 mg/kg	RW maize 2 mg/kg byprod. 3 mg/kg
DON (3.595)		77,2	137x ≥ 4 mg/kg	RW maize 8 mg/kg byprod. 12 mg/kg
Rapeseed/- byproducts (63.164)				
Cadmium (1.191)		89,3	1x ≥ 0,5 mg/kg	HG 1 mg/kg AGW 0,5 ng/kg
Dioxin (828)		71,6	11x ≥ 0,25 ng/kg	HG 0,75 ng/kg AGW 0,35 ng/kg
dl PCB (750)		71,5	4x ≥ 0,175 ng/kg	byprod. 0,5 ng/kg

Hungary: 1.812 samples (10.321 analyses)				
	<i>Number of analyses</i>	<i>Value detected (%)</i>	<i>Results Abnormalities*</i>	<i>Limit values</i>
Maize/-byproducts (4.070)				
Dioxin (28)		100,0	1x ≥ 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
DON (57)		57,9	2x ≥ 4 mg/kg	RW maize 8 mg/kg byprod. 12 mg/kg
ZEA (56)		44,6	3x ≥ 1 mg/kg	RW maize 2 mg/kg byprod. 3 mg/kg
Wheat/-byproducts (2.736)				
dl PCB (38)		100,0	all < 0,175 ng/kg	AGW 0,35 ng/kg
Cadmium (32)		90,6	all < 0,5 mg/kg	HG 1 mg/kg
DON (37)		51,4	all < 4 mg/kg	RW 8 mg/kg
Soy/-byproducts (510)				
Lead (11)		90,9	all < 5 mg/kg -	HG 10 mg/kg
Cadmium (11)		90,9	all < 0,5 mg/kg	HG 1 mg/kg
Dioxin (9)		88,9	1x ≥ 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg



India: 124 samples (4.174 analyses)				
	<i>Number of analyses</i>	<i>Value detected (%)</i>	<i>Results Abnormalities*</i>	<i>Limit values</i>
Guar germs, extracted (1.585)				
Dioxin (16)		100,0	2x ≥ 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
dl PCB (16)		100,0	1x ≥ 0,175 ng/kg	AGW 0,35 ng/kg
Mercury (27)		48,1	3x ≥ 0,05 mg/kg	HG 0,1 mg/kg
(Cane) sugar molasses (1.664)				
Dioxin (31)		96,8	all < 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
ndl PCB (31)		93,5	2x ≥ 5 µg/kg	HG 10 µg/kg
dl PCB (31)		80,6	all < 0,175 ng/kg	AGW 0,35 ng/kg
Vegetable fat (362)				
Dioxin (23)		91,3	all < 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
dl PCB (23)		91,3	all < 0,175 ng/kg	AGW 0,35 ng/kg
ndl PCB (13)		69,2	all < 5 µg/kg	HG 10 µg/kg

Indonesia: 179 samples (5.722 analyses)				
	<i>Number of analyses</i>	<i>Value detected (%)</i>	<i>Results Abnormalities*</i>	<i>Limit values</i>
Vegetable oil/fat (2.870)				
Dioxin (120)		96,7	7x ≥ 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
dl PCB (118)		89,0	4x ≥ 0,25 ng/kg	AGW 0,5 ng/kg
ndl PCB (60)		75,0	all < 5 µg/kg	HG 10 µg/kg
Fatty acids (1.730)				
PAK (25)		92,0	1x ≥ 80 µg/kg	RW 160 µg/kg AGW 0,5 ng/kg
Dioxin (41)		90,2	27x ≥ 0,25 ng/kg	HG 0,75 ng/kg
dl PCB (42)		83,3	1x ≥ 0,25 ng/kg	AGW 0,5 ng/kg
Palm kernels (169)				
Arsenic (11)		100,0	1x ≥ 2 mg/kg	HG 4 mg/kg
Lead (11)		90,9	all < 5 mg/kg	HG 10 mg/kg
Cadmium (11)		81,8	all < 0,5 mg/kg	HG 1 mg/kg



Italy: 7.821 samples (115.758 analyses)				
	<i>Number of analyses</i>	<i>Value detected (%)</i>	<i>Results Abnormalities*</i>	<i>Limit values</i>
Maize/-byproducts (52.031)				
ndl PCB (504)		97,5	all < 5 µg/kg	HG 10 µg/kg
DON (782)		74,7	47x ≥ 4 mg/kg	RW maize 8 mg/kg byprod. 12 mg/kg
ZEA (772)		51,4	23x ≥ 1 mg/kg	RW maize 2 mg/kg byprod. 3 mg/kg
Wheat/-byproducts (23.304)				
Sum Dioxin and dl PCB (202)		99,5	all < 0,625 ng/kg	HG 1,25 ng/kg
ndl PCB (196)		98,0	all < 5 µg/kg	HG 10 µg/kg
DON (332)		82,5	all < 4 mg/kg	RW 8 mg/kg
Soy/-byproducts (15.452)				
dl PCB (110)		100,0	all < 0,175 ng/kg	AGW 0,35 ng/kg
Sum Dioxin and dl PCB (129)		99,2	all < 0,625 ng/kg	HG 1,25 ng/kg
ndl PCB (144)		95,1	all < 5 µg/kg	HG 10 µg/kg

Malaysia: 238 samples (8.184 analyses)				
	<i>Number of analyses</i>	<i>Value detected (%)</i>	<i>Results Abnormalities*</i>	<i>Limit values</i>
Vegetable oil/fat (3.193)				
Dioxin (189)		97,4	13x ≥ 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
dl PCB (189)		93,7	2x ≥ 0,25 ng/kg	AGW 0,5 ng/kg
ndl PCB (112)		89,3	4x ≥ 5 µg/kg	HG 10 µg/kg
Fatty acids from chemical refining (1.772)				
PAK (26)		100,0	1x ≥ 80 µg/kg	RW 160 µg/kg AGW 0,5 ng/kg HG 0,75 ng/kg
Dioxin (43)		88,4	29x ≥ 0,25 ng/kg	HG 0,75 ng/kg
dl PCB (43)		65,1	1x ≥ 0,25 ng/kg	AGW 0,5 ng/kg
Fatty acid distillates from physical refining (1.575)				
PAK (28)		100,0	5x ≥ 80 µg/kg	RW 160 µg/kg AGW 0,5 ng/kg HG 0,75 ng/kg
Dioxin (31)		96,8	7x ≥ 0,25 ng/kg	HG 0,75 ng/kg
dl PCB (31)		90,3	all < 0,25 ng/kg	AGW 0,5 ng/kg



Poland: 1.754 samples (21.399 analyses)				
	<i>Number of analyses</i>	<i>Value detected (%)</i>	<i>Results Abnormalities*</i>	<i>Limit values</i>
Maize/-byproducts (5.539)				
ndl PCB (9)		88,9	all < 5 µg/kg	HG 10 µg/kg
DON (89)		83,2	18x ≥ 4 mg/kg	RW maize 8 mg/kg byprod. 12 mg/kg
ZEA (66)		75,8	2x ≥ 1 mg/kg	RW maize 2 mg/kg byprod. 3 mg/kg
Wheat/-byproducts (5.536)				
Dioxin (51)		98,0	all < 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
Cadmium (64)		89,1	all < 0,5 mg/kg	HG 1 mg/kg
DON (74)		79,7	all < 4 mg/kg	RW 8 mg/kg
Sodium chloride (467)				
Lead (84)		90,5	all < 5 mg/kg	HG 10 mg/kg AGW 0,5 ng/kg
Dioxin (45)		88,9	all < 0,25 ng/kg	HG 0,75 ng/kg
Arsenic (84)		81,0	all < 1 mg/kg	HG 2 mg/kg

Spain: 362 samples (8.533 analyses)				
	<i>Number of analyses</i>	<i>Value detected (%)</i>	<i>Results Abnormalities*</i>	<i>Limit values</i>
Wheat/-byproducts (2.749)				
ndl PCB (15)		100,0	all < 5 µg/kg	HG 10 µg/kg
Cadmium (26)		84,6	all < 0,5 mg/kg	HG 1 mg/kg
DON (48)		47,9	all < 4 mg/kg	RW 8 mg/kg
Maize/-byproducts (1.343)				
Dioxin (12)		100,0	all < 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
ndl PCB (12)		100,0	all < 5 µg/kg	HG 10 µg/kg
DON (25)		64,0	all < 4 mg/kg	RW maize 8 mg/kg byprod. 12 mg/kg
Soy/-byproducts (695)				
ndl PCB (19)		100,0	1x ≥ 5 µg/kg	HG 10 µg/kg
Dioxin (25)		96,0	all < 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
dl PCB (25)		96,0	all < 0,175 ng/kg	AGW 0,35 ng/kg byprod. 0,5 ng/kg



Ukraine: 919 samples (11.808 analyses)			
<i>Number of analyses</i>	<i>Value detected (%)</i>	<i>Results Abnormalities*</i>	<i>Limit values</i>
Maize/-byproducts (6.548)			
ndl PCB (39)	74,4	all < 5 µg/kg	HG 10 µg/kg
DON (89)	62,9	all < 4 mg/kg	RW maize 8 mg/kg byprod. 12 mg/kg
ZEA (80)	60,0	all < 1 mg/kg	RW maize 2 mg/kg byprod. 3 mg/kg
Sunflower (1.427)			
dl PCB (30)	100,0	all < 0,25 ng/kg	AGW 0,5 ng/kg
Sum Dioxin and dl PCB (24)	100,0	all < 0,75 ng/kg	HG 1,5 ng/kg
ndl PCB (24)	95,8	all < 5 µg/kg	HG 10 µg/kg
Sorghum (1.076)			
Sum Dioxin and dl PCB (7)	100,0	all < 0,625 ng/kg	HG 1,25 ng/kg
ndl PCB (7)	100,0	all < 5 µg/kg	HG 10 µg/kg
Lead (16)	62,5	all < 1 mg/kg	HG 2 mg/kg

USA: 166 samples (6.742 analyses)			
<i>Number of analyses</i>	<i>Value detected (%)</i>	<i>Results Abnormalities*</i>	<i>Limit values</i>
Maize/-byproducts (3.996)			
Dioxin (19)	100,0	all < 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
DON (20)	100,0	all < 4 mg/kg	RW maize 8 mg/kg byprod. 12 mg/kg
ZEA (20)	80,0	1x ≥ 1 mg/kg	RW 2 mg/kg byprod. 3 mg/kg
Soy/-byproducts (970)			
Cadmium (22)	86,4	all < 0,5 mg/kg	HG 1 mg/kg
Lead (22)	63,6	all < 5 mg/kg	HG 10 mg/kg
Dioxin (25)	44,0	all < 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
Rice bran (459)			
Dioxin (13)	100,0	all < 0,25 ng/kg	AGW 0,5 ng/kg HG 0,75 ng/kg
Arsenic (6)	66,7	2x ≥ 1 mg/kg	HG 2 mg/kg
Salmonella (14)	21,4	3x positive	

Legend: * values ≥ 50% from the strictest limit value,
HG = maximum level, AGW = action threshold, RW = guidance value