

# RAW MATERIAL PURCHASE IN THE QS SCHEME

Analysis results of selected countries of the QS feed monitoring



**Italy: 7,821 samples (115,758 analyses)**

Number of analyses	Value detected (%)	Results Abnormalities*	Limit values
<b>Maize/-byproducts (52,031)</b>			
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
<b>Wheat/-byproducts (23,304)</b>			
Sum of 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
<b>Soy/-byproducts (15,452)</b>			
dl PCB (110)	100.0	all < 0.175 ng/kg	AGW 0.35 ng/kg
Sum of 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

**Germany: 81,335 samples (2,058,887 analyses)**

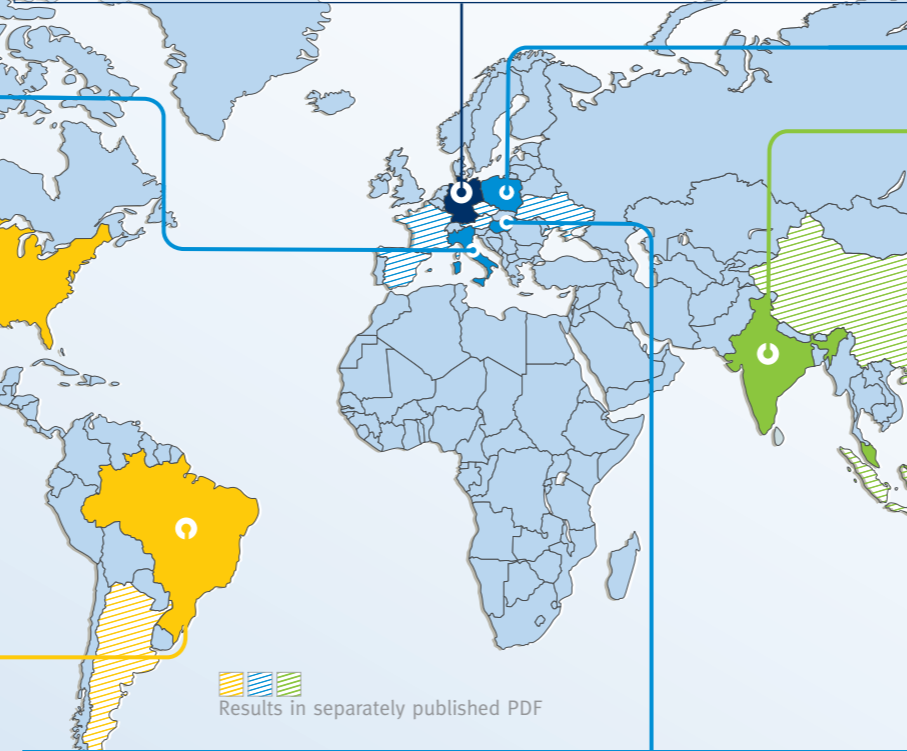
Number of analyses	Value detected (%)	Results Abnormalities*	Limit values
<b>Wheat/-byproducts (757,529)</b>			
Cadmium (4,252)	95.0	4x ≥ 0.5 mg/kg	HG 1 mg/kg
DON (7,058)	56.7	32x ≥ 4 mg/kg	RW 8 mg/kg
Dioxin (1,220)	44.9	2x ≥ 0.25 ng/kg	AGW 0.5 ng/kg, HG 0.75 ng/kg
<b>Maize/-byproducts (131,046)</b>			
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
<b>Rape seed/-byproducts (63,164)</b>			
Cadmium (1,191)	89.3	1x ≥ 0.5 mg/kg	HG 1 mg/kg
Dioxin (828)	71.6	11x ≥ 0.25 ng/kg	AGW 0.5 ng/kg, HG 0.75 ng/kg
dl PCB (750)	71.5	4x ≥ 0.175 ng/kg	AGW 0.35 ng/kg, byprod. 0.5 ng/kg

**Poland: 1,754 samples (21,399 analyses)**

Number of analyses	Value detected (%)	Results Abnormalities*	Limit values
<b>Maize/-byproducts (5,539)</b>			
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
<b>Wheat/-byproducts (5,536)</b>			
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
<b>Sodium chloride (467)</b>			
Lead (84)	90.5	all < 5 mg/kg	HG 10 mg/kg
Dioxin (45)	88.9	all < 0.25 ng/kg	AGW 0.5 ng/kg, HG 0.75 ng/kg
Arsenic (84)	81.0	all < 1 mg/kg	HG 2 mg/kg

**USA: 166 samples (6,742 analyses)**

Number of analyses	Value detected (%)	Results Abnormalities*	Limit values
<b>Maize/-byproducts (3,996)</b>			
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 maize 2 mg/kg, byprod. 3 mg/kg
<b>Soy/-byproducts (970)</b>			
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
<b>Rice bran (459)</b>			
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	



**India: 124 samples (4,174 analyses)**

Number of analyses	Value detected (%)	Results Abnormalities*	Limit values
<b>Guar germs, extracted (1,585)</b>			
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
<b>(Cane) sugar molasses (1,664)</b>			
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
<b>Vegetable fat (362)</b>			
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

**Brazil: 584 samples (7,544 analyses)**

Number of analyses	Value detected (%)	Results Abnormalities*	Limit values
<b>Soy/-byproducts (6,080)</b>			
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
<b>Maize/-byproducts (494)</b>			
ndl PCB (3)	100.0	all < 5 µg/kg	HG 10 µg/kg
Dioxin/dl PCB (10)	90.0	all < 0.175 ng/kg	AGW Dioxin 0.5 ng/kg, dl PCB 0.35 ng/kg, HG Dioxin 0.75 ng/kg
ZEA (9)	22.2	all < 1 mg/kg	RW maize 2 mg/kg, byprod. 3 mg/kg
<b>Fatty acids from chemical refining (454)</b>			
Dioxin (8)	100.0	3x ≥ 0.25 ng/kg	AGW 0.5 ng/kg, HG 0.75 ng/kg
PAH (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

**Hungary: 1,812 samples (10,321 analyses)**

Number of analyses	Value detected (%)	Results Abnormalities*	Limit values
<b>Maize/-byproducts (4,070)</b>			
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
<b>Wheat/-byproducts (2,736)</b>			
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
<b>Soy/-byproducts (510)</b>			
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

**Malaysia: 238 samples (8,184 analyses)**

Number of analyses	Value detected (%)	Results Abnormalities*	Limit values
<b>Vegetable oil/fat (3,193)</b>			
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
<b>Fatty acids from chemical refining (1,772)</b>			
PAH (26)	100.0	1x ≥ 80 µg/kg	RW 160 µg/kg
Dioxin (43)	88.4	29x ≥ 0.25 ng/kg	AGW 0.5 ng/kg, HG 0.75 ng/kg
dl PCB (43)	65.1	1x ≥ 0.25 ng/kg	AGW 0.5 ng/kg
<b>Fatty acid distillates from physical refining (1,575)</b>			
PAH (28)	100.0	5x ≥ 80 µg/kg	RW 160 µg/kg
Dioxin (31)	96.8	7x ≥ 0.25 ng/kg	AGW 0.5 ng/kg, HG 0.75 ng/kg
dl PCB (31)	90.3	all < 0.25 ng/kg	AGW 0.5 ng/kg

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