





FACTS & FIGURES ON CONTAMINANTS IN FEED





Parameter	Number of analyses	thereof analyses where value was detected	Number of exceedances (EU guidance value)	Feed/ raw material
Zearalenone (ZEA)	61,467	20,981 (34.1 %)	39	total
			9	Piglet rearing feed
			8	Maize (plants)
			7	Complete feed for fattening pig/sows
			5	Supplementary feed for for fattening pigs/sows/piglets
			5	Self mixed feed for fattening pigs/piglets
			2	Self mixed feed for fattening cattle
		AM	1	Triticale
	1		1	Distillery spent wash
40	A CONTRACTOR		1	Supplementary

Analysis results with values above limit of quantitation/limit of detection						
Feed	Analyses	Result	Result	Result		
Feed Material	11.722	0-1 mg/kg 11,511	> 1-2 mg/kg 128	> 2 mg/kg 83		
T CCG Waterial		0-0.1 mg/kg	> 0.1 mg/kg			
Compound Feed	9,259	8,842	417			

Ochratoxin A (OTA)

Parameter	Number of analyses	thereof analyses where value was detected	Number of exceedances (EU guidance value)	Feed/ raw material
Ochratoxin A (OTA)	9,494	1,101 (11.6 %)	no exceedances	

Analysis results with values above LOD/LOQ						
Feed	Analyses	Result	Result	Result		
Feed Material	572	0-0.1 mg/kg 568	> 0.1-0.25 mg/kg 3	> 0.25 mg/kg 1		
Compound Feed	529	0-0.02 mg/kg 525	> 0.02 - 0.05 mg/kg 4	> 0.05 mg/kg 0		

feed for all species



Parameter	Number of analyses	thereof analyses where value was detected	Number of exceedances (max. level)	Feed/ raw material
Aflatoxin B1	53,201	5,052 (9.5 %)	14	total
			10	Maize
			2	Milk performance feed
			1	Maize gluten
			1	Rice protein

Analysis results with values above LOD/LOQ						
Feed	Analyses	Result	Result	Result		
Feed Material	4,253	<mark>0-10 μg/kg</mark> 4,064	> 10-20 μg/kg 178	> 20 μg/kg 11		
Compound Feed	799	0-5 μg/kg 786	> 5-10 μg/kg 11	> 10 μg/kg 2		



Parameter	Number of analyses	thereof analyses where value was detected	Number of exceedances (EU guidance value)	Feed/ raw material
Deoxynivalenol (DON)	66,356	32,787 (49.4 %)	84	total
			28	Self-mixed feed for fattening pigs/sows/piglets
, ,			18	Complete feed for fattening pig
1 Assillar			14	Complete feed for sows
			8	Supplementary feed for fattening pigs/sows/piglets
			6	Maize (plants)
			5	Piglet rearing feed
			2	Oats
			1	Wheat
			1	Maize gluten
			1	Barley middlings

Analysis results with values above LOD/LOQ						
Feed	Analyses	Result	Result	Result		
Feed Material	21,518	0-5 mg/kg 21,304	> 5-8 mg/kg 135	> 8 mg/kg 79		
Compound Feed	11,268	0-0.9 mg/kg 10,995	> 0.9 mg/kg 273			



Dioxins, dioxin-like PCBs (dl PCB) and non-dioxin-like PCBs (ndl PCB)

Feed/ra mater	Number of exceedances (action threshold)	Number of exceedances (max. level)	thereof analyses where value was detected	Number of analyses	Parameter
tota	11	8	37,666 (91.2 %)	41,280	Dioxins
Fatty acid	1	2			S. Fore
Fruit pu	1	2			attende
Fish o	0	2		1	13V233
(Sugar) beet molasse pulp, (sugar) beet top and tai	1	1	0		
Supplementa feed for all specie	1	1			
Calcium carbonat	2	0			
Salts from fatty acid	1	0			1. N
By-products of the milkprocessing indust	1	0			
Mineral rich supple mentary feed for catt	1	0			
Calcareou marine alga	1	0			
Potato pee	1	0		7. Se	
tota	2	_	34,268 (85.4 %)	40,127	dl PCB
(Sugar) beet molasse pu	1	_			
Walnut expelle	1				
tota	-	4	19,453 (84 %)	23,168	Sum of dioxins dl PCB
Fatty acids from	_	1			
Shrimp	_	1			
Fish o	_	1			
Fruit pu	_	1			
tota	_	1	24,392 (67.3 %)	36,268	ndl PCB
Blends of fatty acid	-	1			
			ve LOD/LOQ	values abov	Analysis results with
Res	Result	Result	Analyses		Parameter
> 0.5 ng/k 39	> 0.25-0.5 ng/kg 1,720	i <mark>g/kg</mark> : 5,551	0-0.£ 37,666		Dioxins
> 0.35 ng/k	> 0.2-0.35 ng/kg 687				dl PCB
	> 0.5-1.0 ng/kg	<u>1904 </u>			Sum of dioxins
2 1.0 lig/k 37	435	3,643	19,453		and dI PCB
 > 10 μg/k	> 5-10 μg/kg	.g/kg			<u> </u>
38	680	3,325	24,392		ndl PCB



Heavy metals

Parameter	Number of analyses	thereof analyses where value was detected	Number of exceedances (max. level)	Feed/ raw material
Arsenic	65,292	20,816 (31.9 %)	4	total
			1	Supplementary feed for pigs
			1	Supplementary feed for fattening pigs
			1	Shrimps
			1	Yeast
Lead	66,871	29,186 (43.6 %)	5	total
		_	2	Calcium carbonate
			1	Complete feed for fattening pigs
		_	1	Yeast
			1	Compounds of trace elements
Cadmium	66,701	42,875 (64.3 %)	8	total
			3	Permanent pasture products (fresh, silaged or tried)
			1	Cacao husks
			1	Shrimps
			1	Supplementary feed for pigs
			1	Supplementary feed for all species
		_	1	Supplementary feed for dairy cattle
Mercury	65,387	5,346 (8.2 %)	5	total
Mercury	65,387	5,346 (8.2 %)	5	total Yeast
Mercury	65,387	5,346 (8.2 %)		
Mercury	65,387	5,346 (8.2 %)	3	Yeast Supplementary feed

Analysis results with values above LOD/LOQ					
Feed	Analyses	Result	Result		
		0-1 mg/kg	> 1 mg/kg		
Arsenic	20,816	16,491	4,325		
		0-5 mg/kg	> 5 mg/kg		
Lead	29,186	28,081	1,105		
		0-1 mg/kg	> 1 mg/kg		
Cadmium	42,875	42,168	707		
		0-0.05 mg/kg	> 0.05 mg/kg		
Mercury	5,346	4,905	441		

Parameter	Number of analyses	thereof tested positive	Feed/ raw material
Salmonella	112,219	151 (0.1 %)	total
		32	Various feed materials (i.a. fish meal, barley, wheat, green meal)
		28	Soya(bean) -cake, -hulls, -extraction meal
发现在200			Dia food



Various feed materials (i.a. fish meal, barley, wheat, green meal)	32
Soya(bean) -cake, -hulls, -extraction meal	28
3 Pig feed	23
2 Rapeseed, -cake, -extraction meal	22
6 Poultry feed	16
Dairy cattle feed, cattle feed	14
0 Sunflowerseed, -cake, -extraction meal	10
6 Cacao husks	6





Packaging material

Parameter	Number of analyses	thereof analyses where value was detected	Number of exceedances (max. level)	Feed/ raw material
Packaging- material	530	171 (32.3 %)	5	total
			2	Products and byproducts from the baking and pastry industry
			2	Supplementary feed for pigs
		_	1	Former foodstuff

Analysis results with values above	LOD/LOC	l
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Feed	Analyses	Result	Result	Result
		0-1500 mg/kg	> 1500-2000 mg/kg	> 2000 mg/kg
Feed Material	143	136	4	3
		0-1500 mg/kg	> 1500-2000 mg/kg	> 2000 mg/kg
Compound Feed	28	26	0	2





Parameter	Number of analyses	thereof analyses where value was detected	Number of exceedances (max. level)	Feed/ raw material
Hydrocyanic acid	98	74 (75.5 %)	no exceedances	

Analysis results with values above LOD/LOQ					
Feed Analyses		Result	Result	Result	
		0-50 mg/kg	> 50-250 mg/kg	> 250 mg/kg	
Feed Material	69	20	36	13	