

## Undesirable substances in 999 fishmeal

TripleNine Fish Protein is screening the content of undesirable substances as defined by EU, in our products. Each year 10 samples of fishmeal and 5 samples of fishoils are analysed. Besides the below mentioned substances, TripleNine Fish Protein is following the content of dioxins and dioxinlike PCB's, to assure, that no product leaving our factory exceeds the EU limits.

Substance	Unit	Number of analyses	Average	Max.	Min.	Level of quantification	EU limit
Arsenic	mg/kg	87	6,4	13	1,3		25
Flour	mg/kg	40	24	63	10	10	500
Nitrit	mg/kg	32	2,03	8,00	0,10		30
Lead	mg/kg	80	0,32	6,31	0,03		10
Chromium	mg/kg	20	1,3	0,42	1,60		
Cadmium	mg/kg	80	0,15	0,90	0,03		2
Mercury	mg/kg	86	0,08	0,27	0,01		0,5
Aldrin	ng/g	43	2,7	5,0	0,004	5	sum
Dieldrin	ng/g	43	3,5	5,0	0,09	5	0,01
Toxaphen	26 ng/g	43	1,4	4,8	0,04	Lod=20	sum 20
	50 ng/g	43	2,0	20	0,03	Lod=20	
	62 ng/g	43	3,1	5,6	0,09	Lod=20	
	Sum ng/g	42	5,7	15	0,2		
Chlordan	Gamma/trans ng/g	43	2,7	5	0,03	5	sum 20
	Alpha/cis ng/g	43	2,9	5	0,06	5	
	Oxi ng/g	43	2,7	5	0,03	5	
	Sum ng/g	43	8,4	15	0,1	15	
DDD	O,p ng/g	43	2,6	5	0,06	5	sum 50
	P,p ng/g	43	2,2	5	0,23	5	
DDE	O,p ng/g	43	2,7	5	0,02	5	
	P,p ng/g	43	4,0	11	0,83	5	
DDT	O,p ng/g	43	2,7	5	0,03	5	
	P,p ng/g	43	2,3	5	0,06	5	
DDD+DDT+DDE	Sum ng/g	47	16,5	30	1,5	30	
Endosulfan	Alfa ng/g	43	2,7	5	0,10	5	sum 100
	Beta ng/g	43	3,2	5	0,70	5	
	Sulfate ng/g	43	2,8	5	0,02	5	
	Sum ng/g	43	8,7	15	0,9	15	
Endrin	ng/g	43	2,7	5	0,02	5	10
Heptachlor	ng/g	43	2,7	5	0,02	5	10
HCB	ng/g	43	3,1	5	0,31	5	10
HCH	Alfa ng/g	43	2,7	5	0,07	5	20
	Beta ng/g	43	2,7	5	0,03	5	10
	Gamma/lindan ng/g	43	5,8	10	0,80	10	200
Chloramphenicol	µg/kg	13	Nd			LOD=0,1	