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Napro Pharma AS  
attn. Mrs. Ingrid Holmen Blindheim  
Strandgata 60  
6270 Brattvaag  
NORWAY

**Person in charge** Mr. M. Krück - 721  
**Client support** Mr. M. Krück - 721

Report date 25.09.2007

**Analytical report: AR-07-JJ-104465-01**



**Sample Code 703-2007-00304951**

<b>Reference</b>	Fish Oil 18/12
<b>Lot-no.</b>	709M15
<b>Number</b>	1
<b>Amount</b>	191,5 g
<b>Reception temperature</b>	room temperature
<b>Ordered by</b>	Mrs. Ingrid Holmen Blindheim
<b>Sample sender</b>	Mrs. Ingrid Holmen Blindheim
<b>Sender</b>	UPS
<b>Received on</b>	11.09.2007
<b>Packaging</b>	glass bottle with screw closure
<b>Start/end of analyses</b>	11/09/2007 / 24/09/2007

**TEST RESULTS**

**Physical-chemical Analysis**

<b>J1001</b>	<b>Sample preparation</b>		
Method:	§64 LFGB L 00.00-19/1, microwave digestion by pressure		
<b>J1013</b>	<b>Lead (Pb)</b>		
Method:	§64 LFGB L00.00-19/3, AAS-Gr.		
	Lead (Pb)	<0.02	* mg/kg
<b>J1005</b>	<b>Cadmium (Cd)</b>		
Method:	§64 LFGB L00.00-19/3, AAS-Gr.		
	Cadmium (Cd)	<0.005	* mg/kg
<b>J1018</b>	<b>Mercury (Hg)</b>		
Method:	§64 LFGB L00.00-19/4, AAS-cold vapour		
	Mercury (Hg)	<0.005	* mg/kg
<b>J1003</b>	<b>Arsenic (As)</b>		
Method:	analog §64 LFGB L 00.00-19/3, AAS-Gr.		
	Arsenic (As)	<0.05	* mg/kg
<b>J1042</b>	<b>Copper (Cu)</b>		
Method:	EN ISO 11885, mod., ICP		
	Copper (Cu)	<0.05	* mg/kg
<b>J1043</b>	<b>Iron (Fe)</b>		
Method:	EN ISO 11885, mod., ICP		
	Iron (Fe)	<0.1	* mg/kg

## Wiertz-Eggert-Jörissen

### ER011 Dioxins & Furans (PCDDs/PCDFs), 17 2,3,7,8-substituted toxic congeneres

Method: HRGC/HRMS

Analysed by partner laboratory Ergo Hamburg

2,3,7,8-TetraCDD	<0.06	*	pg/g
1,2,3,7,8-PentaCDD	<0.08	*	pg/g
1,2,3,4,7,8-HexaCDD	<0.13	*	pg/g
1,2,3,6,7,8-HexaCDD	<0.12	*	pg/g
1,2,3,7,8,9-HexaCDD	<0.11	*	pg/g
1,2,3,4,6,7,8-HeptaCDD	<0.20	*	pg/g
OctaCDD	<0.40	*	pg/g
2,3,7,8-TetraCDF	<0.04	*	pg/g
1,2,3,7,8-PentaCDF	<0.05	*	pg/g
2,3,4,7,8-PentaCDF	<0.04	*	pg/g
1,2,3,4,7,8-HexaCDF	<0.08	*	pg/g
1,2,3,6,7,8-HexaCDF	<0.06	*	pg/g
1,2,3,7,8,9-HexaCDF	<0.14	*	pg/g
2,3,4,6,7,8-HexaCDF	<0.06	*	pg/g
1,2,3,4,6,7,8-HeptaCDF	<0.08	*	pg/g
1,2,3,4,7,8,9-HeptaCDF	<0.18	*	pg/g
OctaCDF	<0.35	*	pg/g
TEQ (WHO) PCDD/F incl. LOQ	0.24		pg/g

### ER012 Dioxinlike PCBs (also called DL-PCBs or WHO-PCBs)

Method: HRGC/HRMS

Analysed by partner laboratory Ergo Hamburg

PCB IUPAC 77	<5	*	pg/g
PCB IUPAC 81	<0.4	*	pg/g
PCB IUPAC 126	<1	*	pg/g
PCB IUPAC 169	0.3		pg/g
PCB IUPAC 105	26		pg/g
PCB IUPAC 114	<4	*	pg/g
PCB IUPAC 118	86		pg/g
PCB IUPAC 123	10		pg/g
PCB IUPAC 156	29		pg/g
PCB IUPAC 157	7		pg/g
PCB IUPAC 167	23		pg/g
PCB IUPAC 189	8		pg/g
TEQ Dioxin-like PCBs (WHO) incl LOQ	0.18		pg/g

### ER013 Marker-PCBs (7 congeneres)

Method: HRGC/HRMS

Analysed by partner laboratory Ergo Hamburg

PCB IUPAC 28	<50	*	ng/kg
PCB IUPAC 52	<20	*	ng/kg
PCB IUPAC 101	50		ng/kg
PCB IUPAC 118	90		ng/kg
IUPAC - No. 138	380		ng/kg
IUPAC - No. 153	380		ng/kg
IUPAC - No. 180	250		ng/kg
Total 7 Indicator PCB excl. LOQ	1140		ng/kg

### JJ07U Sum of dioxins, furans and dioxin-like PCBs (WHO-PCDD/F-PCB-TEQ)

Method: Internal Method, calculated

Total (WHO-PCDD/F-PCB-TEQ)	0.42		pg/g
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Wiertz-Eggert-Jörissen

**JJ036 Polycyclic aromatic hydrocarbons (PAH)**

Method: Internal Method, GC-MS

Fluorene	23	µg/kg
Phenanthrene	3.4	µg/kg
Anthracene	1.7	µg/kg
Fluoranthene	0.7	µg/kg
Pyrene	1	µg/kg
Benzo(a)anthracene	<0.5	* µg/kg
Chrysene/Triphenylene	<0.5	* µg/kg
Benzo(b)fluoranthene	<0.5	* µg/kg
Benzo-(k)-fluoranthene	<0.5	* µg/kg
Benzo(a)pyrene	<0.5	* µg/kg
Indeno(1,2,3-cd)pyrene	<0.5	* µg/kg
Dibenzo(a,h)anthracene	<0.5	* µg/kg
Benzo(ghi)perylene	<0.5	* µg/kg
Sum of "heavy" PAH (>=5 rings)	Inapplicable	
Sum of all positive identified PAH	29.8	µg/kg

**S0401 Organochlorine Pesticides**

Method: LMBG L00.00-34, GC-ECD

Analysed by partner laboratory Eurofins Dr. Specht Laboratorien

Organochlorine pesticides Not Detected

**S0403 Organophosphorus Pesticides**

Method: LMBG L00.00-34, GC-FPD

Analysed by partner laboratory Eurofins Dr. Specht Laboratorien

Organophosphorus pesticides Not Detected

**S0402 Pyrethroids**

Method: LMBG L00.00-34, GC-ECD

Analysed by partner laboratory Eurofins Dr. Specht Laboratorien

Pyrethroids pesticides Not Detected

**AS101 Toxaphene Congeners (Parlar Congeners)**

Method: GC-ECD

Analysed by partner laboratory Eurofins Dr. Specht Laboratorien

Toxaphene Parlar 26	<0.02	* mg/kg
Toxaphene Parlar 50	<0.02	* mg/kg
Toxaphene Parlar 62	<0.02	* mg/kg

\* = Below indicated quantification level

**JUDGEMENT**

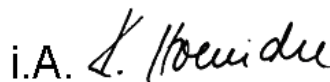
According to Article 1 of the Regulation (EC) No. 1881/2006 foodstuffs indicated in Annex I, Section 5 must not, when placed on the market, contain higher dioxin levels than those specified.

The maximum levels, expressed in WHO toxic equivalents using the WHO-TEFs (toxic equivalency factors, 1997) for the sum of dioxins and furans (WHO-PCDD/F-TEQ) or the sum of dioxins, furans and dioxin-like PCBs (WHO-PCDD/F-PCB-TEQ) are:

	(WHO-PCDD/F-TEQ)	(WHO-PCDD/F-PCB-TEQ)
<b>5.5 Oils and fats</b>		
- Animal fat		
-- of ruminants	3 pg/g fat	4,5 pg/g fat
-- of poultry and farmed game	2 pg/g fat	4,0 pg/g fat
-- of pigs	1 pg/g fat	1,5 pg/g fat
-- mixed animal fats	2 pg/g fat	3,0 pg/g fat
- Vegetable oils and fats	0,75 pg/g fat	1,5 pg/g fat
- Fish oil intended for human consumption	2 pg/g fat	10,0 pg/g fat

Considering this limit, the a.m. sample meets this requirement.

Signature



Dr. C. Hummert / Dr. R. Gatermann / T. Herrmann