

## Certificate of Analysis

**Date Issued:** 06 Apr 2010  
**Client:** Xtend-Life Natural Products  
PO Box 19640  
Woolston  
Christchurch  
**Attention:** Madeleine Belay  
**Date Received:** 18 Mar 2010

**AsureQuality Lab. Reference:** 71428

**Sample Type(s):** Capsule

**Analysis:** **Polychlorinated Biphenyls (PCBs)**

**Method:** Based on USEPA Method 1668B

Results are reported in nanograms per gram (ng/g), equivalent to ppb, on an as received basis to three significant figures. The DL value is reported to three significant figures. Results have been corrected for recoveries. The sum of PCBs is calculated and reported to three significant figures as a lower, medium and upperbound.

The total toxic equivalence (TEQ) was calculated for the samples using WHO toxic equivalency factors (WHO-TEFs; Van den Berg et al., 2005). The total TEQ level is reported as a lower, medium and upperbound to three significant figures.

Unless requested, original samples will be disposed of eight weeks from the date of this report.

**Comments:**



Andrew Steedman  
Scientific Analyst  
AsureQuality Limited



# Results: USEPA Method 1668B

Laboratory Reference: 71428-1

Sample Identification: C0060 Omega 3 caps

Date Received: 18 Mar 2010

Date Analysed: 01 Apr 2010

Date Extracted: 29 Mar 2010

Analyte	Conc. † (ng/g)	DL	EMPC	<sup>13</sup> C%RE	LCL-UCL	Qualifiers
PCB#77	0.00213			84	31 - 109	
PCB#81	ND	0.000645		77	14 - 127	
PCB#126	0.00548			101	50 - 106	
PCB#169	0.00515			45	37 - 117	
PCB#105	0.0476			89	50 - 111	
PCB#114	0.00336			72	41 - 121	
PCB#118	0.0947			74	49 - 111	
PCB#123	0.00293			68	49 - 116	
PCB#156	0.0631			51	40 - 120	
PCB#157	0.0160			41	40 - 120	
PCB#167	0.0406			44	45 - 118	
PCB#189	0.0162			51	47 - 116	
PCB#1	0.000578			31	4 - 100	
PCB#3	0.000965			39	11 - 106	
PCB#4/10			0.00103	49	14 - 107	
PCB#15	0.00171			55	19 - 107	
PCB#19	NQ			NRE	1 - 108	
PCB#28	0.00263				14 - 131	
PCB#37	0.00157			77	25 - 123	
PCB#44	0.00204					
PCB#49	0.000821					
PCB#52	0.00273					
PCB#54	ND	0.000475		60	13 - 105	
PCB#70	0.00420					
PCB#74	0.00205					
PCB#99	0.0109					
PCB#101	0.0206					
PCB#104	ND	0.000278		56	36 - 115	
PCB#110	0.0276					
PCB#138	0.598					
PCB#153	0.415					
PCB#155	0.00238			28	25 - 124	
PCB#170	0.166					
PCB#180	0.295					
PCB#183	0.0669					
PCB#187	0.193					
PCB#188	ND	0.00131		32	23 - 125	
PCB#194	0.141					
PCB#196/203	0.159					
PCB#200	0.00284					
PCB#202	0.0139			22	31 - 134	
PCB#205	0.00860			40	46 - 115	
PCB#206	0.0301			16	38 - 122	
PCB#208	0.0126			22	31 - 126	
PCB#209	0.0331			16	43 - 115	

	Lower Bound	Medium Bound	Upper Bound	Units
<b>Sum of PCB congeners:</b>	2.51	2.52	2.52	ng/g
<b>Total TEQ:</b>	0.711	0.711	0.711	pg/g

† = Results are reported on an as received basis.

DL: Sample Specific Estimated Detection Limit

☞ = Recovery outside method guidelines.

EMPC: Estimated Maximum Possible Concentration

NQ = Not Quantitated. ND = Not Detected.

<sup>13</sup>C %RE: Labelled Compound Recovery

NRE = Recovery Not Calculable.

LCL-UCL: Lower Control Limit - Upper Control Limit

Lab Analyst: CF

Data Analyst: JM

Authorised: Andrew Steedman

# Results: USEPA Method 1668B

Laboratory Reference: 71428 BLANK

Sample Identification: Laboratory Blank

Date Received: Not applicable

Date Analysed: 01 Apr 2010

Date Extracted: 29 Mar 2010

Analyte	Conc. † (ng/g)	DL	EMPC	<sup>13</sup> C%RE	LCL-UCL	Qualifiers
PCB#77	ND	0.000543		64	31 - 109	
PCB#81	ND	0.000576		54	14 - 127	
PCB#126	ND	0.000258		65	50 - 106	
PCB#169	ND	0.000498		58	37 - 117	
PCB#105	ND	0.000245		59	50 - 111	
PCB#114	ND	0.000273		49	41 - 121	
PCB#118			0.000578	51	49 - 111	
PCB#123	ND	0.000276		48	49 - 116	M
PCB#156	ND	0.000409		50	40 - 120	
PCB#157	ND	0.000387		48	40 - 120	
PCB#167	ND	0.000494		40	45 - 118	M
PCB#189	ND	0.000507		45	47 - 116	M
PCB#1	0.000285			23	4 - 100	
PCB#3			0.000216	26	11 - 106	
PCB#4/10	ND	0.00115		30	14 - 107	
PCB#15	ND	0.00101		32	19 - 107	
PCB#19	NQ			NRE	1 - 108	
PCB#28	0.00167				14 - 131	
PCB#37	0.000987			46	25 - 123	
PCB#44	0.000692					
PCB#49			0.000468			
PCB#52	0.00119					
PCB#54	ND	0.000306		39	13 - 105	
PCB#70			0.000881			
PCB#74	ND	0.000514				
PCB#99	ND	0.000325				
PCB#101	0.00145					
PCB#104	ND	0.000192		37	36 - 115	
PCB#110	0.00113					
PCB#138			0.00150			
PCB#153	0.00139					
PCB#155	ND	0.000148		27	25 - 124	
PCB#170	ND	0.000640				
PCB#180	ND	0.000681				
PCB#183	ND	0.000592				
PCB#187	ND	0.000511				
PCB#188	ND	0.000403		32	23 - 125	
PCB#194	ND	0.00129				
PCB#196/203	ND	0.000804				
PCB#200	ND	0.000351				
PCB#202	ND	0.000391		36	31 - 134	
PCB#205	ND	0.000820		38	46 - 115	
PCB#206	ND	0.000155		29	38 - 122	M
PCB#208	ND	0.000196		26	31 - 126	M
PCB#209			0.0000603	19	43 - 115	M

	Lower Bound	Medium Bound	Upper Bound	Units
<b>Sum of PCB congeners:</b>	0.0125	0.0200	0.0274	ng/g
<b>Total TEQ:</b>	0.0000173	0.0205	0.0411	pg/g

† = Results are calculated using the average weight of samples in this batch.

DL: Sample Specific Estimated Detection Limit

EMPC: Estimated Maximum Possible Concentration

<sup>13</sup>C %RE: Labelled Compound Recovery

M = Recovery outside method guidelines.

NQ = Not Quantitated. ND = Not Detected.

LCL-UCL: Lower Control Limit - Upper Control Limit

NRE = Recovery Not Calculable.

Lab Analyst: CF

Data Analyst: JM

Authorised: Andrew Steedman