

REPORT ON THE POLYCHLORINATED DIOXIN AND FURAN (PCDD/F) COMPOSITION AND CONCENTRATIONS IN INTERNATIONAL TOXIC EQUIVALENTS (I-TEQ)

CLIENT NAME: **Entac Emulsion Products Inc.**
CLIENT SAMPLE ID: **Entac Emulsion**

SAMPLE MATRIX: **EMULSION**
RPC SAMPLE ID: **43824-3**
RPC TASK ID: **380390**
DATE ANALYZED: **13-Oct-04**
CORRESPONDING LAB METHOD BLANK: **X00019**

SAMPLING DATE:
SAMPLE TYPE: **Emulsion**

CHLORINATED DIOXINS AND FURANS	CONCENTRATION DETECTED (Note 1)	TOXIC EQUIVALENT CONCENTRATION (I-TEQ) (Note 2)	METHOD DETECTION LIMIT (MDL)	GROUPS	NUMBERS OF PEAKS	CONCENTRATION DETECTED (Note 1)	METHOD DETECTION LIMIT (MDL)
Congeners	pg/g ww	pg NATO-PCDD/F-TEQ/g ww	pg/g ww	Homologues		pg/g ww	pg/g ww
2,3,7,8-TCDD	ND	< 0.2	0.2	TCDD	0	ND	0.2
1,2,3,7,8-PeCDD	ND	< 0.1	0.2	PeCDD	0	ND	0.2
1,2,3,4,7,8-HxCDD	ND	< 0.02	0.2	HxCDD	1	0.3	0.2
1,2,3,6,7,8-HxCDD	ND	< 0.02	0.2	HpCDD	2	2.1	0.2
1,2,3,7,8,9-HxCDD	ND	< 0.02	0.2	OCDD	1	5.1	0.2
1,2,3,4,6,7,8-HpCDD	1.1	0.011	0.2	TOTAL DIOXINS		7.5	
OCDD	5.1	0.0051	0.2	TCDF	0	ND	0.2
2,3,7,8-TCDF	ND	< 0.02	0.2	PeCDF	0	ND	0.2
1,2,3,7,8-PeCDF	ND	< 0.01	0.2	HxCDF	0	ND	0.2
2,3,4,7,8-PeCDF	ND	< 0.1	0.2	HpCDF	0	ND	0.2
1,2,3,4,7,8-HxCDF	ND	< 0.02	0.2	OCDF	1	0.2	0.2
1,2,3,6,7,8-HxCDF	ND	< 0.02	0.2	TOTAL FURANS		0.2	
2,3,4,6,7,8-HxCDF	ND	< 0.02	0.2	Note 1: Results are corrected for surrogate recoveries (not corrected for lab method blank).			
1,2,3,7,8,9-HxCDF	ND	< 0.02	0.2	Note 2: Concentration Detected (Method Detection Limit in case of ND or NDR) multiplied by corresponding toxic equivalency factor (NATO 1988).			
1,2,3,4,6,7,8-HpCDF	ND	< 0.002	0.2	dw signifies: Dry weight			
OCDF	0.2	0.0002	0.2	E signifies: Possible chlorinated diphenyl ether interference			
TOTAL (Min. Possible: Detected + [0 x MDL x I-TEF])		< 0.1		ND signifies: Not detected			
TOTAL (Detected + [0.5 x MDL x I-TEF])		0.3		NDR signifies: Not detected due to incorrect isotope ratio			
TOTAL (Max. Possible: Detected + [1 x MDL x I-TEF])		0.6		wh signifies: Whole weight			
				ww signifies: Wet weight			

SURROGATE	QUANTITY ADDED (pg)	RECOVERY %
13C12-2,3,7,8-TCDD	1000	71
13C12-1,2,3,7,8-PeCDD	1000	66
13C12-1,2,3,4,7,8-HxCDD	1000	74
13C12-1,2,3,6,7,8-HxCDD	1000	69
13C12-1,2,3,4,6,7,8-HpCDD	1000	68
13C12-OCDD	2000	66

SURROGATE	QUANTITY ADDED (pg)	RECOVERY %
13C12-2,3,7,8-TCDF	1000	75
13C12-1,2,3,7,8-PeCDF	1000	64
13C12-2,3,4,7,8-PeCDF	1000	66
13C12-1,2,3,4,7,8-HxCDF	1000	72
13C12-1,2,3,6,7,8-HxCDF	1000	63
13C12-2,3,4,6,7,8-HxCDF	1000	68
13C12-1,2,3,7,8,9-HxCDF	1000	65
13C12-1,2,3,4,6,7,8-HpCDF	1000	62
13C12-1,2,3,4,7,8,9-HpCDF	1000	67