

Certificate of Analysis

PRODUCT : KRILL OIL (100%)
 MANUFACTURER : Biocorp co., Ltd
 MANUFACTURING DATE : March 20, 2020
 EXPIRATION DATE : 2 years from the manufacturing date
 Batch # : K003206N

PARAMETER	STANDARD SPECIFICATION		RESULTS		METHOD				
PHOSPHOLIPIDS PROFILE									
Total phospholipids g/100g	NLT 56.0		56.1		*USP 42				
	COMPOSITION(%)								
	PC	1-LPC	2-LPC	PE	APE		LPE	Other PL	Total
	76.0	1.9	13.3	3.4	3.7		0.7	1.0	100
	Total PC	91.2		-	-		-	-	-
FATTY ACID									
EPA g/100g	NLT 15.0		15.5		USP 42				
DHA g/100g	NLT 9.0		9.4		USP 42				
INDEXES STABILITY									
Astaxanthin	NLT 150 mg/kg		185		USP 42				
Peroxide value	< 5.0 mEq peroxide/kg		0.4		KFSC				
Acid value	< 45 mg KOH/g		35.5		KFSC				
MICROBIAL ANALYSIS									
Total aerobic count	< 1000 CFU/g		< 1000 CFU/g		USP 42				
Yeast & Molds	< 100 CFU/g		< 100 CFU/g		USP 42				
PHYSICAL PROPERTIES									
Appearance	Red Viscous Oil		Red Orange		-				
Odor	Light Shrimp Odor		Light Shrimp		-				
Viscosity @ 40°C cP	-		2,420		Brookfield (S-63)				
Humidity	< 1.0%		0.7		AOAC 984.20 (Karl fishcher)				
Ethanol	< 3.0%		< 3.0		HPLC				
CONTAMINANTS									
Arsenic (inorganic)	< 0.05 mg/kg		Below the standard		KFSC				
Cadmium	< 0.1 mg/kg		Below the standard		KFSC				
Mercury	< 0.1 mg/kg		Below the standard		KFSC				
Lead	< 0.1 mg/kg		Below the standard		KFSC				
AUTHORIZATION									
Biocorp									
Prepared by:	Jihye Yun	Position:	QC	Signature:	Jihye Yun	Date:	Mar. 24, 2020		
Approved by:	Jinhak Shin	Position:	RD	Signature:	Jinhak Shin	Date:	Mar. 24, 2020		

*As of May 2019, the USP 42 method is equivalent to the USP FCC 10 2S method version proposed by CODEX

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