

IDENTIFICATION

Product name:	Superba™ Boost
Product number:	72031010
Batch number:	A101864
Harvesting position:	62°59S 58°35W
Manufacturing date:	30/MAR/2021
Retest date:	30/MAR/2023
Country of origin:	Manufactured at Aker BioMarine Manufacturing LLC in Houston, Texas, US
Environmental:	The environmental data for this batch is reported on the document "Environmental Reporting Sheet".

ANALYTICAL SPECIFICATION

PARAMETER	METHOD	ACTUAL VALUE	LIMITS	UNIT
Appearance	Visual	Red viscous oil	Red viscous oil	
Identification	Gas chromatography (FAME)	Conforms	Conforms	
Viscosity at 30°C	Rotational viscometer	1903	≤ 2000	mPaS
IMA + IMAD	Crucy	< 2	Report value	mgN/100 g
Salts	ICP / IC	0.1	≤ 0.5	g/100 g
LIPID COMPOSITION				
Total phospholipid	31P NMR	58	≥ 56	g/100 g
Phosphatidylcholines	⁽¹⁾ 31P NMR	53	≥ 48	g/100 g
Choline	31P NMR	7	≥ 7	g/100 g
FATTY ACID PROFILE				
Total omega-3 fatty acids	AKBM-AM-02	39	≥ 27	g/100 g
- C 20:5 n-3 (EPA)	AKBM-AM-02	16	≥ 15	g/100 g
- C 22:5 n-3 (DHA)	AKBM-AM-02	8	≥ 7	g/100 g
STABILITY INDEX				
Peroxide value	AOCs Cd 8b-90	2	≤ 3	mEq peroxide/kg
ANTIOXIDANTS				
Astaxanthin	FCC / USP-NF (UV)	157	≥ 85	µg/g
Astaxanthin esterification (IE)	⁽²⁾ Liquid chromatography	Conforms	Conforms	
WATER AND ETHANOL				
Water activity at 25°C	Moisture probe	0.2	≤ 0.5	
Ethanol content	Gas chromatography	2	≤ 3	g/100 g
MICROBIOLOGY				
Total plate count	AOAC 990.12	< 10	< 1000	cfu/g
Mould and yeast	FDA-BAM, 7th ed.	< 10	< 100	cfu/g
E. coli	USP-NF, 62	Negative	Negative	In 10 g sample
Coliform	AOAC 991.14	< 10	< 10	cfu/g
Salmonella	AOAC R1100201 (PCR)	Negative	Negative	In 25 g sample

¹ Phosphatidylcholines value quoted includes phosphatidylcholines and lysophosphatidylcholines.

² Three batches tested annually to ensure continued compliance