

Certificate of Analysis

AKBM11935-1



Steelyard Analytics, Inc. 704 Quince Orchard Road Suite 130 Gaithersburg, MD 20878 (USA)

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Analysis method: quantitative 31P-NMR spectroscopy
Instrument: Bruker Avance III HD 600 MHz NMR spectrometer with automated sample changer and BBO cryoprobe
Internal standard: TPP (Triphenyl phosphate) Content [%]: 99.8 MW [g/mol]: 326.29

Sample Ident.: Krill Oil - Superba Boost **Batch/Lot:** S110677
Steelyard Inc Code: AKBM11935-1 **Arrival:** 09. Apr. 2021

TPP	Integral	Molecular weight [g/Mol]	mMol	Initial weight [mg]	Content [%]	Number P
Internal Standard	14.25	326.29	0.0479	15.66	99.8	1
Test item				370.21		1
Phospholipid	Integral	Molecular weight [g/Mol]	mMol	Content [mg]	Weight-%	Mol-%
PC	66.75	790.0	0.2244	177.2483	47.88	77.8
1-LPC	1.36	534.5	0.0046	2.4434	0.66	1.6
2-LPC	10.08	534.5	0.0339	18.1097	4.89	11.8
PI	0.17	907.0	0.0006	0.5183	0.14	0.2
LPI	0.00	629.5	0.0000	0.0000	---	---
PS	0.00	833.0	0.0000	0.0000	---	---
LPS	0.00	555.5	0.0000	0.0000	---	---
SPH	0.00	812.0	0.0000	0.0000	---	---
PE	4.04	770.0	0.0136	10.4562	2.82	4.7
LPE	1.04	492.5	0.0035	1.7216	0.47	1.2
APE	1.03	1032.0	0.0035	3.5729	0.97	1.2
PG	0.00	820.0	0.0000	0.0000	---	---
DPG	0.00	774.0	0.0000	0.0000	---	---
PA	0.00	746.0	0.0000	0.0000	---	---
LPA	0.86	468.5	0.0029	1.3543	0.37	1.0
Other	0.42	812.0	0.0014	1.1463	0.31	0.5
Sum	85.75				58.51	100.0
Phosphorus					2.41	
*) = not observed, no signal assignment			Rounding 2	Balance	XP205 en	
Total Choline (PC) calculated: 7.4 (calculated with an MW of 104.17 g/mol)						

The result refers exclusively to test item analyzed by Steelyard Analytics, Inc. and corresponds to the specification given by the customers.

09. Apr. 2021

Buchen, Thorsten
Study Director

The Certificate is authorized by original signature. Use or publication in parts is not authorized on principle and is not allowed to be related with the company's name or a signature of a staff member. Misuse will be prosecuted.

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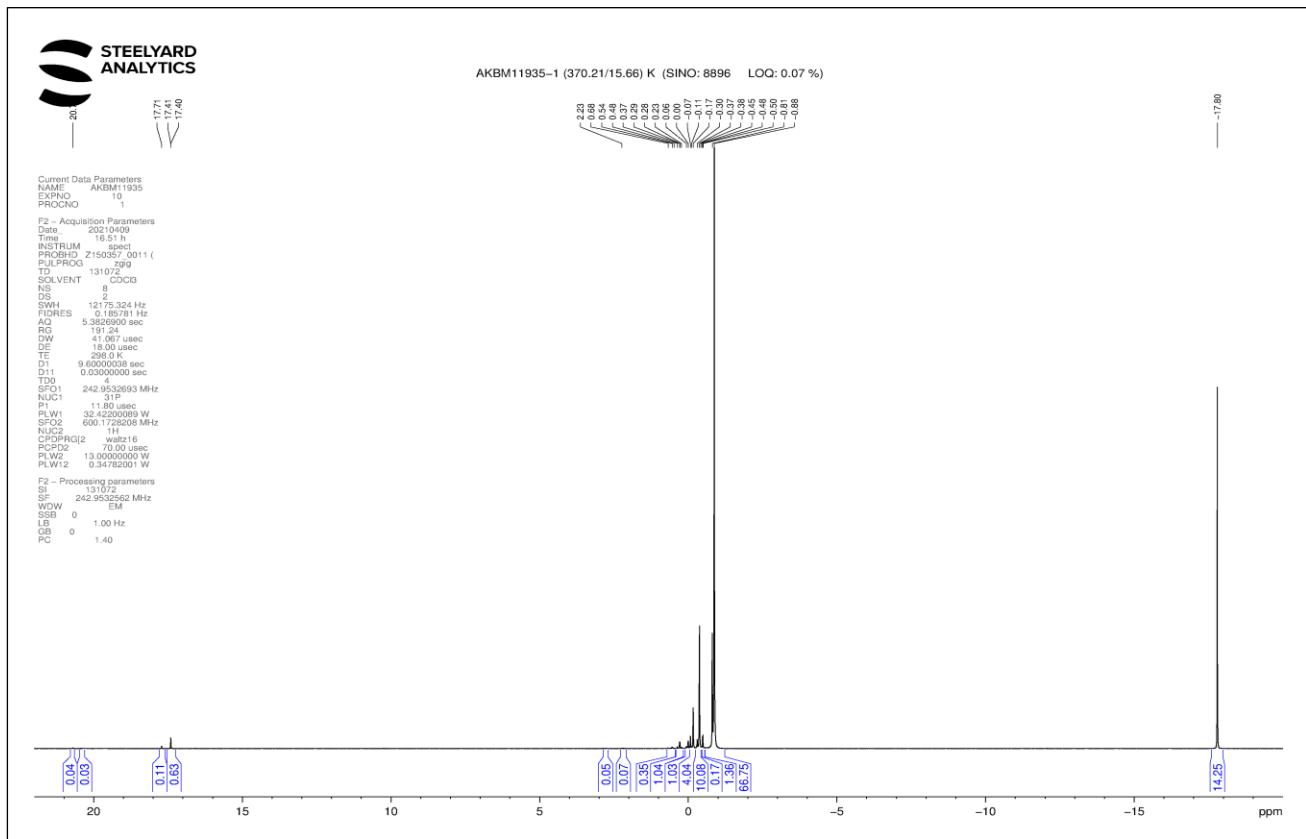


Fig. 1 ³¹P-NMR Spectrum of test item AKBM11935-1