

# TEST REPORT

ULR-TC546023000038273F

Test Report No. BLR/F(C/M)/23/037458

Dated 2023-12-08



TC-5460



South Asia

**Issued to** : BIO-GEN EXTRACTS PRIVATE LIMITED  
254/1-9, 3rd floor, BIO-GEN house  
11th main road, 3rd phase,  
Peenya Industrial Area,  
Bengaluru Urban District, Karnataka,  
India - 560058.

**Attention** : Mr. Karibasappa K,

**Customer Ref. No.** : Letter, Ref No : PN-23 : 000838, Dated : 2023-12-01

**Sample Particulars**

**Sample Name** : Omega - 3 Fatty Acids (45% EPA : 32% DHA)

**Sample No.** : BLR/F(C/M)/23/037458

**Batch No. / Lot No. / Mfg. Date / Best Before Date** : Batch No : FOFFT1223006 | A.R No : PN-23 : 838 | Mfg Date : Dec-2023 | Expiry Date : Nov-2026 | Batch Size : 1900 Kgs

**Sample Package / Quantity** : Sealed Aluminium Container : 100 gm X 2 Number's

**Sampled by** : Sample Collected By Representative of TÜV SÜD South Asia Pvt Ltd (Mr. Sunil CR)  
Sample Collected at M/s. Bio-Gen Extracts Pvt. Ltd., Plot No.253,  
11th Main Road, 3rd Phase, Peenya Industrial Area, Bangalore,  
Karnataka – 560058. Sample Collected Date & Time : 01.12.2023 & 01:50 pm

**Sampling Location** :

**Sampling Protocol** : Not Applicable

**Sample Condition** : Received in Good Condition

**Date of Sample Receipt** : 2023-12-01

**Date of Analysis** : 2023-12-01

**Date of Completion** : 2023-12-07

Report Reviewed By

Vinutha S.

Report Reviewer

By accepting this document the customer hereby agrees and accepts the 'Terms & Conditions' and the relevant 'Testing & Certification Regulations' of TÜV SÜD South Asia Pvt. Ltd. which are available at Company's website at the link- <https://www.tuvsud.com/en-in/terms-and-conditions>

**Note: For any technical query, please contact . V G Ramesh at Ramesh.Vg@tuvsud.com and for any complaint please contact .Arun George at arun.george@tuvsud.com**

Note : (1) The results relate only to the items tested, (2) the test report shall not be reproduced except in full without the written approval of the laboratory, (3) Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable for the evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A-3.4. (4) For details of the accredited scope, please contact laboratory or accreditation body website.(5) The correctness of the information related to sample(s) in the Test Request Form/Customer letterhead/Email is the customer's responsibility. The laboratory reports the said information in the test report and is not liable for the same.

Laboratory:  
TÜV SÜD South Asia Pvt. Ltd.  
No. A 151, 2nd C Main, 2nd  
Stage,  
Peenya Industrial Estate,  
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Karnataka - 560058

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Andheri (East), Mumbai-400072.  
India



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## RESULTS

### Test Results – Accredited Parameters

Sr. No.	Parameter	Unit	Result	Test Method
Metals & Minerals :				
1.	Arsenic as As	mg/kg	BLQ	LAB_P_SOP_221
2.	Cadmium as Cd	mg/kg	BLQ	LAB_P_SOP_221
3.	Mercury as Hg	mg/kg	BLQ	LAB_P_SOP_221
4.	Lead as Pb	mg/kg	BLQ	LAB_P_SOP_221
Chemical :				
5.	DHA	g/100 g	34.3	996.06, Chapter 41, AOAC 21st Edition : 2019
6.	EPA	g/100 g	54.61	996.06, Chapter 41, AOAC, 21st Edition : 2019
7.	Omega 3 Fatty Acids	g/100 g	88.9	996.06, Chapter 41, AOAC 21st Edition : 2019



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## Test Results – Non-accredited Parameters

Sr. No.	Parameter	Unit	Result	Test Method
Microbiology :				
8.	E.coli	/g	Absent	ISO 16649 - 3 : 2015
9.	Salmonella	/25g	Absent	ISO 6579 - 1 : 2017
10.	Total Plate Count	cfu/g	<10	ISO 4833 - 1 : 2013
11.	Yeast & Mould Count	cfu/g	<10	ISO 21527 - 1 : 2008
Chemical :				
12.	Appearance	-	Pale yellow colour liquid	Visual Examination
13.	Cold Test (0 degree C for 3 hours)	-	Clear	Customer Protocol
14.	Color Gardner (10 % Toluene Solution) ##	-	2.0	Guidelines of ASTM D 1544
15.	Solubility	-	Insoluble in water, soluble in acetone, heptane and ethanol	Customer's Protocol
16.	Acid Value	mgKOH/g	0.20	Customer's Protocol
17.	p-anisidine value	-	8.13	Customer's Protocol
18.	Peroxide Value	meq of oxygen / Kg	3.2	Customer's Protocol
19.	Iodine Value	-	345.1	Customer protocol
20.	Absorbance at 233 nm	-	0.3216	Customer Protocol
21.	Total Oxidation Value	-	14.53	Customer Protocol

NOTE: Unless otherwise agreed upon, Pass or Fail or Statement of compliance verdicts are given based on the measured values without any considerations of measurement uncertainties. Every test method has a measurement uncertainty which has been evaluated by the laboratory and are available on request. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.

LOQ: Limit of Quantification; BLQ: Below Limit of Quantification.

## Tests subcontracted to ISO/IEC 17025 approved laboratory.

Authorized By

Authorized By

Authorized By

Ravi Negalur  
(Lab Manager)

Jagadeep Sagar C  
(Senior Microbiologist)

Periasamy, Sathasivam P  
(Team Leader)

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- END OF TEST REPORT -

