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**BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI**

Original Application No. 373 OF 2022

IN THE MATTER OF:

SUMIT SAINI

...APPLICANT

VERSUS

HARYANA STATE POLLUTION
CONTROL BOARD & ORS.

...RESPONDENTS

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Filed by:



(ANUBHA AGRAWAL)

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Filed on: 14.08.2024

BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI
ORIGINAL APPLICATION NO.373 OF 2022

IN THE MATTER OF:

SUMIT SAINI

...APPLICANT

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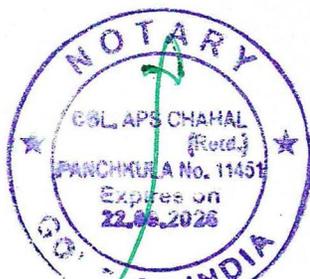
....RESPONDENTS

ADDITIONAL AFFIDAVIT

I, Rohit Singla, S/o Shri Sat Paul Singla, Director of M/s SPS Bio-Chem Private Limited, Registered Office at: SCO 85-86, Sector 12, Panchkula, Haryana - 134112, do hereby solemnly affirm on oath and state as under:

1. That answering respondent had filed its objections to the report of Haryana State Pollution Control Board wherein it was submitted that the samples of Liquid Fermented Organic Manure (LFOM) and Fermented Organic Manure (FOM) had been given for testing and the report of Indian Agricultural Research Institute, New Delhi was awaited. Now, answering respondent has received the report dated 08.08.2024 by Division of Microbiology, ICAR-Indian Agricultural Research Institute, New Delhi, a copy of which is attached as **Annexure A-1** and seeks to place the same on record.

14 AUG 2024



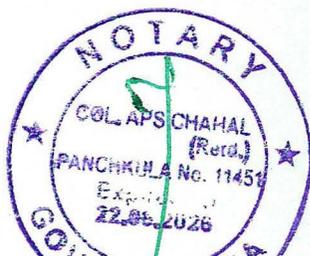
SPSBIO-CHEM PRIVATE LIMITED
Rohit Sr - R
Director

2. That according to the said report, in the sample of LFOM and FOM heavy metals are Below Detectable Limit (BDL), meaning that they are below much below the prescribed acceptable limit. The reports also states that the samples contain good amount of agriculturally important nutrients such as Nitrogen, Phosphorus, Potassium and Organic Carbon, which is good for use in agriculture.
3. That the report specifically stated that "In view of the results of the test/ analysis of the samples with respect to protocols thereof confirms to the relevant Specification of Fertilizer Control Order (FCO), 1985, therefore, the sample is declared as Standard. The FOM sample is good and can be used to agriculture land as manure".

Hence, the product of LFOM and FOM being made by answering respondent does not cause any damage to the environment and is safe to be utilized as an organic manure.

4. That FOM and LFOM produced from Compressed Biogas Plants (CBG) acts as a potential source to rejuvenate the soil health. The use of these organic materials help in improving plant vitality and growth in terms of higher yield, better quality of the produce, increased disease and pest resistance, availability of essential nutrients and increased soil microbial population and activity. Since these materials are obtained from organic biodegradable wastes (press mud and cow dung), they act not only as a source for improving Nutrient Use Efficiency (NUE) but also cause

14 AUG 2024



SPSBIO-CHEM PRIVATE LIMITED

Rohit Sr
Director

reduction in usage of synthetic pesticides and other agro-chemicals.

It is therefore, most humbly prayed that the report dated 08.08.2024 by Division of Microbiology, ICAR-Indian Agricultural Research Institute, New Delhi may kindly be taken on record and in view of the detailed reply filed earlier and the present pleadings, the present application be dismissed against the answering respondent.

SPSBIO-CHEM PRIVATE LIMITED

[Handwritten Signature]
Director

DEPONENT

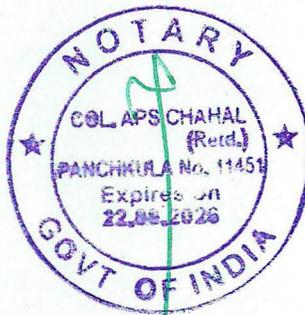
VERIFICATION:

I, the deponent above named deponent hereby verify that the contents of paras 1 to 4 of my above affidavit are true and correct to my knowledge & belief, no part of it is false and nothing material has been concealed therefrom.

Verified at **Panchkula** on the 13th day of August, 2024.

[Handwritten Signature]
GOI

14 AUG 2024



SPSBIO-CHEM PRIVATE LIMITED

[Handwritten Signature]
Director

DEPONENT

14 AUG 2024

ATTESTED
[Handwritten Signature]
APS CHAHAL No. 11451
NOTARY, PANCHKULA



सूक्ष्म जीव विज्ञान संभाग ANNEXURE A-1
भा.कृ.अनु.प.-भारतीय कृषि अनुसंधान संस्थान, नई दिल्ली-110012
DIVISION OF MICROBIOLOGY
ICAR-Indian Agricultural Research Institute, New Delhi-110012



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डॉ० लिवलीन शुक्ला
प्रधान वैज्ञानिक

Dr. Livleen Shukla
Principal Scientist

Date: 08.08.2024

TEST REPORT OF LIQUID FERMENTED ORGANIC MANURE

Name & Address: SPSBIO-CHEM Pvt. Ltd, Sector 12, Panchkula, Haryana

CERTIFICATE OF ANALYSIS

Name of Sample	Liquid Fermented Organic Manure
Date of Sample Received	18.07.2024

Sr. No.	PARTICULARS	SPECIFICATION	RESULT AS PER ANALYSIS
PHYSICAL CHARACTERISTICS			
1	MOISTURE CONTENT	Per cent by weight, maximum 90.0 - 97%	93.65
2	COLOUR	BROWNISH	BROWNISH (Semi Solid)
CHEMICAL CHARACTERISTICS			
3	TOTAL ORGANIC CARBON	Per cent by weight, minimum 14.0	15.68
4	TOTAL NITROGEN (AS N)	Per cent by weight, minimum 1.2	1.53
5	TOTAL PHOSPHATES (AS P ₂ O ₅)	Per cent by weigh minimum 1.2	1.29
6	TOTAL POTASSIUM (AS K ₂ O)	Per cent by weight, minimum 1.2	1.36
7	C: N RATIO	< 30	10.24
8	pH (1:5 solution)	6.5-8.4	6.80
9	CONDUCTIVITY	Not more than 4.0 (as dSm ⁻¹)	3.15
10	Biological Oxygen Demand (BOD) (mg/l) 5 days incubation	-	4,200
11	Chemical Oxygen Demand (COD) (mg/l) 5 days incubation	-	5,400
12	Pathogens	Nil	Nil
HEAVY METALS CONTENTS (PERCENT BY WEIGHT, MAXIMUM)			
10	Arsenic (As As ₂ O ₃)	10	BDL
11	Cadmium (As Cd)	5	BDL
12	Chromium (As Cr)	50	BDL
13	Copper (As Cu)	300	BDL
14	Mercury (As Hg)	0.15	BDL
15	Nickel (As Ni)	50	BDL
16	Lead (As Pb)	100	BDL
17	Zinc (As Zn)	1000	BDL

*** BDL: Below Detected Level**

Remarks: In view of the results of the test/analysis of the sample with respect to protocols thereof confirms to the relevant Specification of Fertilizer Control Order (FCO), 1985, therefore the sample is declared as Standard. This LFOM sample is good and can be used to agriculture land as manure.

Authorized Signatory

Dr Livleen Shukla



सूक्ष्म जीव विज्ञान संभाग
भा.कृ.अनु.प.-भारतीय कृषि अनुसंधान संस्थान, नई दिल्ली-110012
DIVISION OF MICROBIOLOGY
ICAR-Indian Agricultural Research Institute, New Delhi-110012



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Email : lshukla65@gmail.com
livleen.shukla65@gmail.com

Dr. Livleen Shukla
Principal Scientist

Date: 08.08.2024

TEST REPORT OF FERMENTED ORGANIC MANURE

Name & Address: SPSBIO-CHEM Pvt. Ltd, Sector 12, Panchkula, Haryana

CERTIFICATE OF ANALYSIS

Name of Sample	Fermented Organic Manure
Date of Sample Received	18.07.2024

Sr. No.	PARTICULARS	SPECIFICATION	RESULT AS PER ANALYSIS
PHYSICAL CHARACTERISTICS			
1	MOISTURE CONTENT	Per cent by weight, maximum 30 – 70%	43%
2	COLOUR	BROWNISH	BROWNISH BLACK
CHEMICAL CHARACTERISTICS			
3	TOTAL ORGANIC CARBON	Per cent by weight, minimum 14.0	18.03
4	TOTAL NITROGEN (AS N)	Per cent by weight, minimum 1.2	1.71
5	TOTAL PHOSPHATES (AS P ₂ O ₅)	Per cent by weigh minimum 1.2	1.40
6	TOTAL POTASSIUM (AS K ₂ O)	Per cent by weight, minimum 1.2	1.48
7	C: N RATIO	< 30	10.54
8	pH (1:5 solution)	6.5-8.4	7.10
9	CONDUCTIVITY	Not more than 4.0 (as dSm ⁻¹)	2.67
10	Pathogens	Nil	Nil
HEAVY METALS CONTENTS (PERCENT BY WEIGHT, MAXIMUM)			
11	Arsenic (As As ₂ O ₃)	10	BDL
12	Cadmium (As Cd)	5	BDL
13	Chromium (As Cr)	50	BDL
14	Copper (As Cu)	300	BDL
15	Mercury (As Hg)	0.15	BDL
16	Nickel (As Ni)	50	BDL
17	Lead (As Pb)	100	BDL
18	Zinc (As Zn)	1000	BDL

* BDL: Below Detected Level

Remarks: In view of the results of the test/analysis of the sample with respect to protocols thereof confirms to the relevant Specification of Fertilizer Control Order (FCO), 1985, therefore the sample is declared as Standard. This FOM sample is good and can be used to agriculture land as manure.

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