



Eco Tech Labs Pvt Ltd

NABET & NABL ACCREDITED AND MOEF & CC RECOGNISED LABORATORY
ISO 9001:2015 and OHSAS-ISO 45001:2018 Certified Company



Plot No.48A, 2nd Main Road, Ram Nagar South Extension, Pallikaranai, Chennai - 600 100.
Phone : 98400 87542, Email : info@ecotechlabs.in / lab@ecotechlabs.in, Website : www.ecotechlabs.in

NABL Accredited Testing Laboratory Vide Certificate No. TC-13860

TEST REPORT

ULR No : TC1386025000002397F

Report No : TRETLO725149

Report Date: 24.07.2025

Page 1 of 1

Name of the Client : M/s. Casagrand Fresh Private Limited.

Address of the Project : Survey No. 29/2A1, 29/3A1 & 261/1B2 of Pudhupakkam village, vandalur Taluk and Chengapattu District.

Sample Name : Ambient Air Quality

Sample Description : Ambient air

Sample Code : ETL0725192

Sample Condition : -

Sample Drawn By : Eco Tech Labs P.Ltd

Sampling date : 16.07.2025

Sampling Plan & Procedure : ETL/QAD/SOP/09

Received date : 16.07.2025

Sample Location : Near Site Office (Cheers)

Commenced on : 16.07.2025

Customer Reference : -

Completed on : 22.07.2025

Instrument ID & Validity : ETL/CHL/INS-054/110/105 & 08.06.2026

ETL/CHL/INS-108 & 16.01.2026

ETL/CHL/INS-046 & 27.01.2026

S.No	Parameters	Test Method	Results	Units	NAAQ Standards: 2009	
1	Sulphur Dioxide	IS: 5182 (P- 2) : Sec 1: 2023	15.9	µg/m ³	80 (24 Hours)	50 (Annual)
2	Oxides of Nitrogen	IS: 5182 (P- 6) :2006	24.4	µg/m ³	80 (24 Hours)	40 (Annual)
3	Respirable Suspended Particulate Matter (PM10)	IS: 5182 (P-23) :2006	53.7	µg/m ³	100 (24 Hours)	60 (Annual)
4	Particulate Matter (PM 2.5)	IS:5182 (P-24) : 2019	26.6	µg/m ³	60 (24 Hours)	40 (Annual)
5	Carbon monoxide	ETL/CHL/SOP/008 : 2020	BQL(LOQ:1.15)	mg/m ³	4 (1 Hour)	2 (8 hours)
6	Lead	IS: 5182 (P- 22) :2004	BQL (LOQ :0.025)	µg/m ³	1 (24 Hours)	0.5 (Annual)
7	Ozone	IS: 5182 (P- 9) :2019	BQL (LOQ :20)	µg/m ³	180 (1 Hour)	100 (8 Hours)
8	Ammonia	IS:5182 : (P-25) : 2018	BQL (LOQ: 20)	µg/m ³	400 (24 Hours)	100 (Annual)
9	Benzene	IS: 5182 (P- 11) :2006	BQL(LOQ :2.5)	µg/m ³	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	IS: 5182 (P-12) :2004	BQL (LOQ:1.0)	ng/m ³	1 (Annual)	1 (Annual)
11	Arsenic	ETL/INS/SOP/002 : 2016	BQL (LOQ: 1.0)	ng/m ³	6 (Annual)	6 (Annual)
12	Nickel	IS: 5182 (P-26) : 2020	BQL (LOQ: 2.5)	ng/m ³	20 (Annual)	20 (Annual)

Note: BQL-Below Quantification Limit, LOQ - Limit of Quantification

End of Report



Authorised Signatory - Chemical

S. Kokila
Lab Manager

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- The test results relate only to the test items.



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TEST REPORT

ULR No : TC1386025000002398F

Report No : TRETLO725150

Report Date: 24.07.2025

Page 1 of 1

Name of the Client : M/s. Casagrand Fresh Private Limited.
Address of the Project : Survey No. 29/2A1, 29/3A1 & 261/1B2 of Pudhupakkam village, vandalur Taluk and Chengapattu District.
Sample Name : Stack Emission
Sample Code : ETL0725193
Sample Description : DG Stack
Sample Drawn By : Eco Tech Labs P.Ltd
Sample Condition : -
Sampling Plan & Procedure : ETL/QAD/SOP/10
Sampling date : 16.07.2025
Sample Location : DG-125 KVA Security Gate
Received date : 16.07.2025
Customer Reference : -
Commenced on : 16.07.2025
Instrument ID & Validity : ETL/CHL/INS-042 & 16.01.2026
Completed on : 22.07.2025
ETL/CHL/INS- 057 & 19.02.2026

I.CHEMICAL TESTING

1. Atmospheric Pollution

S.No	Parameters	Test Method	Results	Units
1	Particulate Matter	IS: 11255 (P -1) 1985 (RA:2019)	5.55	mg/Nm ³
2	Sulphur Dioxide	IS: 11255 (P -2) 1985 (RA:2018)	5.80	mg/Nm ³
3	Oxides of Nitrogen	IS:11255 (P -7) 2005 (RA :2022)	86.6	mg/Nm ³
4	Carbon Monoxide	IS 13270: 2019	BQL(LOQ:0.2)	%
5	Flow Rate	IS: 11255 (P -3) (RA:2019)	355	Nm ³ /hr

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TEST REPORT

ULR No : TC1386025000002399F

Report No : TRETLO725151

Report Date: 24.07.2025

Page 1 of 1

Name of the Client : M/s. Casagrand Fresh Private Limited.
Address of the Project : Survey No. 29/2A1, 29/3A1 & 261/1B2 of Pudhupakkam village, vandalur Taluk and Chengapattu District.
Sample Name : Noise Monitoring
Sample Code : ETL0725194 to ETL0725198
Sample Description : Ambient noise
Sample Drawn By : Eco Tech Labs P.Ltd
Sample Condition : -
Sampling Procedure : ETL/CHL/IOP/035
Sampling date : 16.07.2025
Customer Reference : -
Received date : 16.07.2025
Instrument ID & Validity : ETL/CHL/INS-139 & 28.07.2025

S.No	Location (Cheers)	Time (hrs)	Day Time Noise level in dB (A)
1	Phase 1 (SE)	09.15	52.9
2	East	09.45	53.7
3	West	10.15	52.8
4	North	10.45	54.1
5	South	11.15	54.9

CPCB Limits:

- | | | |
|------|------------------|---|
| i) | Industrial Area | : Day Time - 75 dB (A); Night Time - 70 dB(A) |
| ii) | Commercial Area | : Day Time - 65 dB (A); Night Time - 55 dB(A) |
| iii) | Residential Area | : Day Time - 55 dB (A); Night Time - 45 dB(A) |
| iv) | Silence Zone | : Day Time - 50 dB (A); Night Time - 40 dB(A) |
| v) | Working Zone | : Day Time - 90 dB (A) |

End of Report



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TEST REPORT

ULR No : TC1386025000002400F

Report No : TRETL0725152

Report Date: 24.07.2025

Page 1 of 1

Name of the Client : M/s. Casagrand Fresh Private Limited.
Address of the Project : Survey No. 29/2A1, 29/3A1 & 261/1B2 of Pudhupakkam village, vandalur Taluk and Chengapattu District.
Sample Name : Soil
Sample Code : ETL0725199
Sample Description : -
Sample Condition : Good
Sample Drawn By : Eco Tech Labs P.Ltd
Sampling date : 16.07.2025
Sampling Plan & Procedure : ETL/QAD/SOP/08
Received date : 16.07.2025
Sample Location : Phase 1 (Cheers)
Commenced on : 16.07.2025
Customer Reference : -
Completed on : 22.07.2025

I.CHEMICAL TESTING

1. Pollution & Environment

S.No	Parameters	Test Method	Results	Units
1	pH (at 25°C)	IS:2720 (P-26) 1987,RA:2021	7.59	-
2	Electrical Conductivity	IS:14767,2016	0.66	mS/cm
3	Water Content	IS 2720(Part 2):1973 RA 2020	8.11	%
4	Chloride	FAO 2007(Page No- 48): 2020	90.4	mg/kg
5	Soluble Calcium as Ca	FAO 2007(Page No- 48): 2020	82.2	mg/kg
6	Soluble Sodium	FAO 2007(Page No- 44): 2020	566	mg/kg
7	Soluble Potassium	FAO 2007(Page No- 44): 2020	687	mg/kg
8	Organic Matter	IS:2720 (P-22) 1972, RA:2020	0.65	%
9	Soluble Magnesium as Mg	FAO 2007(Page No- 48): 2020	33.2	mg/kg
10	Total Soluble Sulphates	IS:2720 (P-27) 1977 RA:2020	320	mg/kg
11	Cation Exchange Capacity	IS:2720 (P-24) 1976;RA:2010	11.50	meq/100g
12	Carbonate	FAO 2007(Page No- 46): 2020	Nil	mg/kg
13	Bicarbonate	FAO 2007(Page No- 46): 2020	129	mg/kg

Note: BQL-Below Quantification Limit, LOQ - Limit of Quantification

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TEST REPORT

ULR No : TC1386025000002401F

Report No : TRETLO725153

Report Date: 24.07.2025

Page 1 of 1

Name of the Client : M/s. Casagrand Fresh Private Limited.
Address of the Project : Survey No. 29/2A1, 29/3A1 & 261/1B2 of Pudhupakkam village, vandalur Taluk and Chengapattu District.
Sample Name : Water
Sample Code : ETL0725200
Sample Description : Drinking Water
Sample Drawn By : Eco Tech Labs P.Ltd
Sample Condition : Good
Sampling Plan & Procedure : ETL/QAD/SOP/07
Sampling date : 16.07.2025
Sample Location : Labour Camp (Cheers)
Received date : 16.07.2025
Customer Reference : -
Commenced on : 16.07.2025
Completed on : 22.07.2025

S.No	Parameters	Test Method	Results	Units
1	pH (at 25°C)	IS:3025(P -11)1983 RA: 2022	7.85	-
2	Electrical Conductivity	IS:3025(P -14) 2013	135	µS/cm
3	Colour	IS:3025 (P -4)1983 RA: 2021	BQL(LOQ:5)	Hazen Unit
4	Turbidity	IS:3025(P -10)1984 RA: 2023	BQL(LOQ:1)	NTU
5	Total Dissolved Solids	APHA 24 th Edn.2540-C-2023	80.5	mg/L
6	Total Suspended Solids	IS:3025(P-17)-1984 RA:2022	BQL(LOQ:2)	mg/L
7	Total Hardness as CaCO ₃	APHA 24 th Edn.-2340-C -2023	38	mg/L
8	Calcium as Ca	APHA 24 th Edn.- 3500-B -2023	8.02	mg/L
9	Magnesium as Mg	APHA 24 th Edn-3500 Mg-B-2023	4.38	mg/L
10	Chloride as Cl	IS:3025(P -32)-1988 RA: 2019	19.6	mg/L
11	Sulphate as SO ₄	APHA 24 th Edn-4500 So4-E-2023	2.34	mg/L
12	Total Alkalinity as CaCO ₃	APHA 24 th Edn-2320 B-2023	38.8	mg/L
13	Iron as Fe	IS 3025 (PART 53): 2014	BQL(LQO:0.1)	mg/L
14	Silica as SiO ₂	IS:3025(P -35)1988 RA: 2023	3.71	mg/L

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