

ISSUED TO:

**M/s. RE SUSTAINABILITY LIMITED,
KARNATAKA WASTE MANAGEMENT PROJECT,
TOWARDS DODDABALLAPUR ROAD, NH-207
KIDAB INDUSTRIAL AREA, DABASPETA,
NELAMANGALA TALUKA, BANGLORE-562111,
KARNATAKA, INDIA.**

Report Number : VLL/VLS/25/10927/01
Issued Date : 2025.09.09
P.O. Number : 0400128805
P.O. Date : 13.08.2025

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Sample Particulars : Hazardous Waste Incineration stack

Sampling Date : 2025.08.06 Sample Registration Date : 2025.08.20
Analysis Starting Date : 2025.08.20 Analysis Completion Date : 2025.09.09
Test Required : PCDD& PCDF
Sample tested as received basis.

TEST REPORT

Sr.no.	Parameters	UoM	Results	
Physical Parameters of stack				
1	Diameter of Stack	m	1.0	
2	Temperature	°C	90	
3	Average Velocity	m/sec	6.36	
4	Volumetric flow rate	Nm³/Hr	14,598	
5	Oxygen as O₂	%	12.8	
Congeners of Dioxin & Furans		Concentration		
		Concentration (ng)	TEF	TEQ (ng)
1	2378-TCDD	0.0625	1	0.0625
2	12378-PeCDD	0.3125	0.5	0.1563
3	123478-HxCDD	0.03125	0.1	0.0031
4	123678-HxCDD	0.03125	0.1	0.0031
5	123789-HxCDD	0.03125	0.1	0.0031
6	1234678-HpCDD	0.003125	0.01	0.0000
7	OCDD	0.0001875	0.001	0.0000
8	2378-TCDF	0.00625	0.1	0.0006
9	12378-PeCDF	0.009375	0.05	0.0005
10	23478-PeCDF	0.09375	0.5	0.0469
11	123478-HxCDF	0.03125	0.1	0.0031
12	123678-HxCDF	0.03125	0.1	0.0031
13	123789-HxCDF	0.03125	0.1	0.0031
14	234678-HxCDF	0.03125	0.1	0.0031
15	1234678-HpCDF	0.003125	0.01	0.0000
16	1234789-HpCDF	0.003125	0.01	0.0000
17	OCDF	0.0001875	0.001	0.0000
Total ng TEQ				0.2887
Vstd (Nm³)				4.843
Total ng TEQ/Nm³				0.05961
Total Furans & Dioxins (ng TEQ/Nm³ at 11 % O₂ Correction)				0.0728
*ELV: Emission Limit Value as per As per MoE,F&CC Gazzatte Notification GSR 481(E)				< 0.1

Name and Designation of the Authorized Signatory


Dr. SubbaReddy Mallampati
Manager- Environnement