



### Certificate of Analysis

Report Number: CARE/2024/044

Name & Address of Customer: Greener Way

Sample Description: Waste water from recycling plant.

Date of Receipt of sample: 02/09/2024

Laboratory Reference Number: TH1240044

Date of Analysis: 05/09/2024 - 16/09/2024

Serving Size: 2 Litre

Sl.No	Test Parameters	Test Results	Test Methods	Limit as per Bhutan Environment Standards 2020 Generic
1.	Total Suspended Solid (TSS) in mg/l	54	APHA 24 <sup>th</sup> Edition-2023, 2540 D	80
2	Total Dissolved Solids (as TDS) in mg/l	262	APHA 24 <sup>th</sup> Edition-2023, 2540C	1500
3	Biochemical Oxygen Demand (as BOD)- 3 days at 27°C in mg/l	92	IS 3025 (Part 44)-1993, (RA:2019)	30
4	Oil & Grease in mg/l	5.4	APHA 24 <sup>th</sup> Edition-2023, 5520B	5
5	Turbidity in NTU	18	IS 3025 (Part 10)- 2023	----
6	Sulphate (as SO <sub>4</sub> ) in mg/l	5.8	IS 3025 (Part 24): Sec 1, 2022	500
7	Phosphate (P) in mg/l	0.26	APHA 24 <sup>th</sup> Edition-2023, 4500P-D	3
8	Micro Plastic, Particle /l	120	Microscopic Observation	----



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## Pesticide Residues

Sl. No.	Parameter	Test Methods	Results	Limit as per Bhutan Environment Standards 2020 Generic
i.	Alachlor in µg/l	EPA 508, 1995	<2.0	---
ii.	Atrazin in µg/l	EPA 508, 1995	<0.8	---
iii.	Aldrin/Dieldrin in µg/l	EPA 508, 1995	<0.01	---
iv.	Alpha HCH in µg/l	EPA 508, 1995	<0.01	---
v.	Beta HCH in µg/l	EPA 508, 1995	<0.01	---
vi.	Butachlor in µg/l	EPA 525.2, 1995	<0.05	---
vii.	Chlorpyrifos in µg/l	EPA 525.2, 1995	<0.01	---
viii.	Delta HCH in µg/l	EPA 508, 1995	<0.01	---
ix.	2,4-D in µg/l	EPA 515.1	<10.0	---
x.	DDT (o,p and p,p isomers of DDT, DDE, DDD) in µg/l	EPA 508, 1995	<0.01	---
xi.	Endosulfan (Alpha, beta and sulfates) in µg/l	EPA 508, 1995	<0.01	---
xii.	Ethion in µg/l	EPA 1657A	<0.05	---
xiii.	Gamma HCH in µg/l	EPA 508, 1995	<0.01	---
xiv.	Malathion in µg/l	EPA 8141A	<0.05	---
xv.	Methyl parathion in µg/l	EPA 8141A	<0.01	---
xvi.	Monocrotophos in µg/l	EPA 8141A	<0.05	---
xvii.	Phorate in µg/l	EPA 8141A	<0.02	---

Analyzed by:

(Choki Dorji, Scientific Officer)

Verified by:

(Tshering Dorji, Head Researcher)

Issued by:

(Choki Dorji)

### NOTE:

1. This report pertains to the sample(s) as received in the laboratory.
2. The report shall not be reproduced except in full without the approval of the laboratory.



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