

TEST REPORT

Official Technical Translation & Environmental Compliance Record

1. **Sampling Location:** Post-treatment wastewater at BA8 tank of Phu My Fertilizer Plant
2. **Date of Monitoring:** 27/02/2023 (09:30)
3. **Customer / Client:** PetroVietnam Fertilizer and Chemicals Corporation - JSC - Phu My Fertilizer Plant

4. Analytical / Measurement Results:

No.	Parameter / Analysis Norm	Unit	Method / Equipment	Result
1	Ammonium (NH ₄ ⁺ as N)	mg/l	TCVN 5988:1995	ND (<1.00)
2	Chemical Oxygen Demand (COD)	mg/l	SMEWW 5220D:2017	ND (<30)
3	Total Nitrogen (T-N)	mg/l	TCVN 6638:2000	ND (<10.0)
4	Biochemical Oxygen Demand (BOD ₅ at 20°C)	mg/l	TCVN 6001-1:2021	ND (<3.0)
5	Total Suspended Solids (TSS)	mg/l	TCVN 6625:2000	ND (<2.0)
6	Residual Chlorine	mg/l	TCVN 6225-3:2011	ND (<0.90)
7	Total Coliform	MPN/100ml	TCVN 6187-2:2020	Negative (<3)
8	Total Phosphorus (T-P)	mg/l	TCVN 6202:2008	0.86
9	Total Iron (T-Fe)	mg/l	US EPA Method 3015A & SMEWW 3120 B: 2017	0.112
10	Copper (Cu)	mg/l	US EPA Method 3015A & SMEWW 3120 B: 2017	ND (<0.050)
11	pH	-	TCVN 6492:2011	7.4
12	Phenol	mg/l	TCVN 6216:1996	ND (<0.10)
13	Temperature	°C	SMEWW 2550B:2017	36.9
14	Mineral Oil and Grease	mg/l	SMEWW 5520B&F: 2017	ND (<0.3)

Notes / Remarks:

- Sample collected and analyzed by CEMRB according to official service contract.
- ND: Not Detected below method detection limit.
- Test results are only valid for the analyzed samples at the time and location indicated.

HEAD OF ENVIRONMENTAL ADVISORY / TESTING DIVISION

DIRECTOR / VICE DIRECTOR

Nguyen Thi Le Hang / Nguyen Thi Hang

Le Tuan Kiet / Nguyen Xuan Son / Vo Phi Long

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TEST REPORT

Official Technical Translation & Environmental Compliance Record

1. **Sampling Location:** Post-treatment wastewater at BA8 tank of Phu My Fertilizer Plant
2. **Date of Monitoring:** 29/06/2023 (09:40)
3. **Customer / Client:** PetroVietnam Fertilizer and Chemicals Corporation - JSC - Phu My Fertilizer Plant

4. Analytical / Measurement Results:

No.	Parameter / Analysis Norm	Unit	Method / Equipment	Result
1	Total Suspended Solids (TSS)	mg/l	TCVN 6625:2000	ND (<2.0)
2	Ammonium (NH ₄ ⁺ as N)	mg/l	TCVN 5988:1995	ND (<1.00)
3	Biochemical Oxygen Demand (BOD ₅ at 20°C)	mg/l	TCVN 6001-1:2021	3.7
4	Residual Chlorine	mg/l	TCVN 6225-3:2011	ND (<0.90)
5	Total Nitrogen (T-N)	mg/l	TCVN 6638:2000	23.2
6	Total Phosphorus (T-P)	mg/l	TCVN 6202:2008	1.55
7	Total Iron (T-Fe)	mg/l	TCVN 6177:1996	0.064
8	Chemical Oxygen Demand (COD)	mg/l	SMEWW 5220.D:2023	ND (<30)
9	Total Coliform	MPN/100ml	TCVN 6187-2:2020	43 x 10 ²
10	Mineral Oil and Grease	mg/l	SMEWW 5520B&F: 2023	ND (<0.3)
11	Temperature	°C	SMEWW 2550B:2023	37.0
12	pH	-	TCVN 6492:2011	6.8
13	Phenol	mg/l	TCVN 6216:1996	ND (<0.3)
14	Copper (Cu)	mg/l	US EPA Method 3015A & SMEWW 3120 B: 2023	ND (<0.050)

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TEST REPORT

Official Technical Translation & Environmental Compliance Record

1. **Sampling Location:** Post-treatment wastewater at BA8 tank of Phu My Fertilizer Plant
2. **Date of Monitoring:** 07/09/2023 (09:50)
3. **Customer / Client:** PetroVietnam Fertilizer and Chemicals Corporation - JSC - Phu My Fertilizer Plant

4. Analytical / Measurement Results:

No.	Parameter / Analysis Norm	Unit	Method / Equipment	Result
1	Total Suspended Solids (TSS)	mg/l	TCVN 6625:2000	ND (<2.0)
2	Ammonium (NH ₄ ⁺ as N)	mg/l	TCVN 5988:1995	ND (<1.00)
3	Biochemical Oxygen Demand (BOD ₅ at 20°C)	mg/l	TCVN 6001-1:2021	ND (<3.0)
4	Residual Chlorine	mg/l	TCVN 6225-3:2011	ND (<0.90)
5	Total Nitrogen (T-N)	mg/l	TCVN 6638:2000	22.2
6	Total Phosphorus (T-P)	mg/l	TCVN 6202:2008	0.95
7	Total Iron (T-Fe)	mg/l	TCVN 6177:1996	ND (<0.050)
8	Chemical Oxygen Demand (COD)	mg/l	SMEWW 5220.D:2023	ND (<30)
9	Total Coliform	MPN/100ml	TCVN 6187-2:2020	15 x 10 ¹
10	Mineral Oil and Grease	mg/l	SMEWW 5520B&F: 2023	ND (<0.3)
11	Temperature	°C	SMEWW 2550B:2023	37.4
12	pH	-	TCVN 6492:2011	7.6
13	Phenol	mg/l	TCVN 6216:1996	ND (<0.10)
14	Copper (Cu)	mg/l	US EPA Method 3015A & SMEWW 3120 B: 2023	ND (<0.050)

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Official Technical Translation & Environmental Compliance Record

1. **Sampling Location:** Post-treatment wastewater at BA8 tank of Phu My Fertilizer Plant
2. **Date of Monitoring:** 13/10/2023 (10:00)
3. **Customer / Client:** PetroVietnam Fertilizer and Chemicals Corporation - JSC - Phu My Fertilizer Plant

4. Analytical / Measurement Results:

No.	Parameter / Analysis Norm	Unit	Method / Equipment	Result
1	Total Suspended Solids (TSS)	mg/l	TCVN 6625:2000	ND (<2.0)
2	Biochemical Oxygen Demand (BOD5 at 20°C)	mg/l	TCVN 6001-1:2021	5.2
3	Total Coliform	MPN/100ml	TCVN 6187-2:2020	23
4	Total Nitrogen (T-N)	mg/l	TCVN 6638:2000	14.7
5	Total Phosphorus (T-P)	mg/l	TCVN 6202:2008	1.18
6	Total Iron (T-Fe)	mg/l	SMEWW 3125B:2023	ND (<0.050)
7	Copper (Cu)	mg/l	US EPA Method 3015A & SMEWW 3120 B: 2023	ND (<0.050)
8	Phenol	mg/l	TCVN 6216:1996	ND (<0.10)
9	pH	-	TCVN 6492:2011	7.2
10	Temperature	°C	SMEWW 2550B:2023	37.2
11	Mineral Oil and Grease	mg/l	SMEWW 5520B&F: 2023	ND (<0.3)
12	Residual Chlorine	mg/l	TCVN 6225-3:2011	ND (<0.90)
13	Chemical Oxygen Demand (COD)	mg/l	SMEWW 5220.D:2023	ND (<30)
14	Ammonium (NH4+ as N)	mg/l	TCVN 5988:1995	ND (<1.00)

Notes / Remarks:

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