

ကန့်သတ်

DEPARTMENT OF GEOLOGICAL SURVEY AND MINERAL EXPLORATION CHEMICAL LABORATORY

Report No; 245 -253 / 2021


Requested by - ဒေါက်တာကျော်ဇေယျ(ဘူမိဗေဒအရာရှိ)
 Project / Locality - ရွှေခဲအင်း၊အလျင်လို၊ဇီးဖြူကုန်း၊ဒိုးနွယ်ဝန်းကျင်ဒေသ
 Ref; - ၁၄၀/ဘစမ(ရက)/၂၀၂၁
 Type of Sample - Water
 Date Requested - ၁၆-၁၂-၂၀၂၁ Date Reported - ၇-၁-၂၀၂၂

Lab. No.	Unit	245	246	247	248
Sender's Mark		PTW-01	NGW-01	YAMTW-01	YAMTW-02
pH		7.85	7.62	7.83	7.80
Total Dissolved Solid (TDS)	µg/ml	920	2825	157	220
Chloride (Cl)	µg/ml	150	695	20	25
Sulphate (SO ₄)	µg/ml	83.93	517.95	30.03	12.34
Carbonate (CO ₃)	µg/ml	48	48	16	20
Bi Carbonate (HCO ₃)	µg/ml	340	668	28	92
Calcium (Ca)	µg/ml	60.69	163.74	1.05	0.42
Magnesium (Mg)	µg/ml	22.56	131.26	3.42	1.69
Sodium (Na)	µg/ml	152	471.73	6.99	66.88
Potassium (K)	µg/ml	62.89	128.20	51.43	1.51
Iron (Fe)	µg/ml	0.32	LDL	LDL	0.82
Lead (Pb)	µg/ml	LDL	1.30	LDL	LDL
Cadmium (Cd)	µg/ml	LDL	LDL	LDL	LDL
Arsenic (As)	µg/ml	LDL	LDL	LDL	LDL

Remark; LDL = Less than 0.10 µg/ml for pb,Fe.

LDL = Less than 0.01 µg/ml for Cd & 0.03 µg/ml for As.

Analyst; 


 ထူးထူးကို
 ဗဟိုယဉ်ကျေးရေးဌာန (ဘူမိ)

Lab-in-charge; 

ကန့်သတ်

Lab. No.	Unit	250	251	252	253
Sender's Mark		PTTW-06	PTTW-07	ZPGTW-01	NGTW-02
pH		7.67	7.40	7.78	7.36
Total Dissolved Solid (TDS)	µg/ml	282	152	345	206
Chloride (Cl)	µg/ml	60	56	50	50
Sulphate (SO ₄)	µg/ml	52.49	33.73	6.36	6.17
Carbonate (CO ₃)	µg/ml	20	6	8	16
Bi Carbonate (HCO ₃)	µg/ml	60	4	176	70
Calcium (Ca)	µg/ml	13.78	4.62	1.22	17.52
Magnesium (Mg)	µg/ml	12.01	6.39	4.03	11.54
Sodium (Na)	µg/ml	59.98	33.16	97.81	24.06
Potassium (K)	µg/ml	2.13	2.05	0.93	1.15
Iron (Fe)	µg/ml	2.29	6.14	0.48	9.21
Lead (Pb)	µg/ml	LDL	0.24	LDL	LDL
Cadmium (Cd)	µg/ml	LDL	LDL	LDL	LDL
Arsenic (As)	µg/ml	LDL	LDL	LDL	LDL

Remark; LDL = Less than 0.10 µg/ml for pb,Fe.

LDL = Less than 0.01 µg/ml for Cd & 0.03 µg/ml for As.

Analyst; *[Signature]*

[Signature]
 ထူးထူးကို
 ဒုတိယညွှန်ကြားရေးမှူး(ခေတု)
 Chief of the Laboratory;

Lab-in-charge; *[Signature]*

ကန့်သတ်

DEPARTMENT OF GEOLOGICAL SURVEY AND MINERAL EXPLORATION CHEMICAL LABORATORY

Report No; 036- 045 / 2022

Requested by - ဒေါက်တာကျော်ဇေယျ(ဘူမိဗေဒအရာရှိ)
 Project / Locality - နေပြည်တော်မြို့ရွာ အကျိုးပြုဘူမိဗေဒမြေပုံရေးဆွဲရေးလုပ်ငန်း
 Ref; - ၀၀၈/၁၁၈၈(ရက)/၂၀၂၂
 Type of Sample - Water
 Date Requested - ၁၁-၁-၂၀၂၂ Date Reported - ၃-၂-၂၀၂၂

Lab. No.	Unit	036	037	038	039	040
Sender'sMark		KTMTW-01	ALYMTW-01	SGITW-01	KTTW-01	KKITW-01
pH		7.50	7.65	7.20	7.50	7.45
Total Dissolved Solid (TDS)	µg/ml	288	708	255	281	337
Chloride (Cl)	µg/ml	5	120	20	5	5
Sulphate (SO ₄)	µg/ml	LDL	LDL	6.58	6.45	10.29
Carbonate (CO ₃)	µg/ml	10	8	LDL	4	8
Bi Carbonate (HCO ₃)	µg/ml	202	380	165	200	235
Calcium (Ca)	µg/ml	41.89	30.01	23.69	24.10	35.25
Magnesium (Mg)	µg/ml	12.36	23.85	12.82	18.42	21.33
Sodium (Na)	µg/ml	13.88	142.80	23.82	19.63	19.62
Potassium (K)	µg/ml	1.82	3.20	2.45	2.87	2.82
Iron (Fe)	µg/ml	0.46	LDL	0.93	0.38	LDL
Lead (Pb)	µg/ml	LDL	LDL	LDL	LDL	LDL
Arsenic (As)	µg/ml	LDL	LDL	LDL	LDL	LDL

Remark; LDL= Less than 2 µg/ml for CO₃, 0.4 µg/ml for SO₄, 0.03 µg/ml for As and 0.10 µg/ml for Pb, Fe.

Analyst;

Chief of the Laboratory; (M.A.)

Lab-in-charge;

မြတ်ကေသီ
လ/ထည့်နံကြားရေးမှူး(ဓာတ်)

ကန့်သတ်

-2-

Lab. No.	Unit	041	042	043	044	045
Sender's Mark		KNLTW-01	TYZTW-01	PTGTW-01	MGGTW-01	PTGW-01
pH		7.56	7.57	6.97	6.89	7.35
Total Dissolved Solid (TDS)	µg/ml	411	514	225	214	1043
Chloride (Cl)	µg/ml	25	25	10	10	140
Sulphate (SO ₄)	µg/ml	16.04	16.51	LDL	9.05	102.85
Carbonate (CO ₃)	µg/ml	8	12	LDL	LDL	20
Bi Carbonate (HCO ₃)	µg/ml	250	328	162	153	430
Calcium (Ca)	µg/ml	15.47	30.16	14.68	13.25	53.64
Magnesium (Mg)	µg/ml	12.35	23.93	14.24	12.94	32.47
Sodium (Na)	µg/ml	80.93	70.60	19.64	19.62	92.71
Potassium (K)	µg/ml	3.19	6.24	2.72	1.98	170.80
Iron (Fe)	µg/ml	LDL	1.52	1.75	3.73	LDL
Lead (Pb)	µg/ml	LDL	LDL	LDL	LDL	0.45
Arsenic (As)	µg/ml	LDL	LDL	LDL	LDL	LDL

Remark; LDL = Less than 0.10 µg/ml for Pb,Fe ,2 µg/ml for CO₃0.4 µg/ml for SO₄ and 0.03 µg/ml for As.

Analyst; Su. Oke. H.

Chief of the Laboratory; (Signature) (က.ခ.)

မြတ်ကေသီ
လ/ထည့်နှံကြားရေးမှူး(ဓာတ်)

Lab-in-charge; (Signature)

ကန့်သတ်

ကန့်သတ်

DEPARTMENT OF GEOLOGICAL SURVEY AND MINERAL EXPLORATION CHEMICAL LABORATORY

Report No; 004 - 015 / 2022

Requested by - ဒေါက်တာကျော်ဇေယျ(ဘူမိဗေဒအရာရှိ)အဖွဲ့(၁)
 Project / Locality - မြို့ရွာအကျိုးပြုဘူမိဗေဒ မြေပုံရေးဆွဲရေးလုပ်ငန်း(ဆည်စုကျေးရွာ)
 Ref; - ၁၄၈/ဘစမ(ရက)/၂၀၂၁
 Type of Sample - Water
 Date Requested - ၂၉-၁၂-၂၀၂၁ Date Reported - ၂၆-၁-၂၀၂၂

Lab. No.	Unit	004	005	006	007
Sender's Mark		SZTW-01	SZTW-02	TKSTW-01	YMTW-01
pH		7.02	7.21	7.14	7.64
Total Dissolved Solid (TDS)	µg/ml	235	308	246	246
Chloride (Cl)	µg/ml	25	25	20	25
Sulphate (SO ₄)	µg/ml	4.93	LDL	18.70	LDL
Carbonate (CO ₃)	µg/ml	LDL	20	24	8
Bi Carbonate (HCO ₃)	µg/ml	144	176	116	142
Calcium (Ca)	µg/ml	16.07	21.23	21.96	28.18
Magnesium (Mg)	µg/ml	10.87	12.13	11.17	12.20
Sodium (Na)	µg/ml	31.22	52.50	33.02	29.58
Potassium (K)	µg/ml	0.93	1.36	1.07	1.00
Iron (Fe)	µg/ml	2.11	LDL	0.21	LDL
Lead (Pb)	µg/ml	LDL	0.17	LDL	LDL
Arsenic (As)	µg/ml	LDL	LDL	LDL	LDL

Remark; LDL= Less than 2 µg/ml for CO₃, 0.4 µg/ml for SO₄, 0.03 µg/ml for As and 0.10 µg/ml for Pb, Fe.

Analyst; *[Signature]*

Chief of the Laboratory; *[Signature]*
 ထူးထူးကို
 မုံတိုင်မြို့နယ်၊ မြေပုံရေးဆွဲရေးဌာန (ခေတု)

Lab-in-charge; *[Signature]*

ကန့်သတ်

-2-

Lab. No.	Unit	008	009	010	011
Sender's Mark		TGGTW-01	TGGTW-02	TGGTW-03	TGGTW-04
pH		7.20	6.75	6.75	7.26
Total Dissolved Solid (TDS)	µg/ml	223	192	160	220
Chloride (Cl)	µg/ml	25	20	25	20
Sulphate (SO ₄)	µg/ml	LDL	LDL	20.57	LDL
Carbonate (CO ₃)	µg/ml	24	LDL	LDL	10
Bi Carbonate (HCO ₃)	µg/ml	110	123	72	132
Calcium (Ca)	µg/ml	20.21	16.26	13.70	20.20
Magnesium (Mg)	µg/ml	10.83	9.88	10.96	10.63
Sodium (Na)	µg/ml	28.14	17.42	12.76	24.25
Potassium (K)	µg/ml	1.28	0.69	0.63	0.97
Iron (Fe)	µg/ml	3.93	4.90	4.17	2.40
Lead (Pb)	µg/ml	LDL	0.09	LDL	LDL
Arsenic (As)	µg/ml	LDL	LDL	LDL	LDL

Remark; LDL= Less than 2 µg/ml for CO₃, 0.4 µg/ml for SO₄, 0.03 µg/ml for As and 0.10 µg/ml for Pb, Fe.

Analyst;..... *[Signature]*

Chief of the Laboratory;..... *[Signature]*
 ထူးထူးကို
 ဒုတိယဥက္ကဋ္ဌ၊ ကြားရေးမှူး (ဓာတ်)

Lab-in-charge;..... *[Signature]*

ကန့်သတ်

ကန့်သတ်

-3-

Lab. No.	Unit	012	013	014	015
Sender's Mark		TYMTW-01	SDMTW-01	GMIW-01	GMITW-01
pH		6.20	7.30	7.10	7.20
Total Dissolved Solid (TDS)	µg/ml	39	225	506	223
Chloride (Cl)	µg/ml	10	20	65	20
Sulphate (SO ₄)	µg/ml	LDL	20.97	66.07	LDL
Carbonate (CO ₃)	µg/ml	2	26	24	12
Bi Carbonate (HCO ₃)	µg/ml	14	100	208	132
Calcium (Ca)	µg/ml	4.75	22.07	56.09	24.45
Magnesium (Mg)	µg/ml	0.16	13.20	23.50	10.91
Sodium (Na)	µg/ml	6.48	23.62	57.76	22.05
Potassium (K)	µg/ml	1.50	1.00	5.56	1.28
Iron (Fe)	µg/ml	LDL	0.49	LDL	0.10
Lead (Pb)	µg/ml	LDL	3.41	LDL	LDL
Arsenic (As)	µg/ml	LDL	LDL	LDL	LDL

Remark; LDL= Less than 2 µg/ml for CO₃, 0.4 µg/ml for SO₄, 0.03 µg/ml for As and 0.10 µg/ml for Pb, Fe.

Analyst;..... *[Signature]*

Chief of the Laboratory;..... *[Signature]*

ထူးထူးကို
ဒုတိယဥက္ကဋ္ဌကြားရေးမှူး (အထူး)

Lab-in-charge;..... *[Signature]*

ကန့်သတ်

ကန့်သတ်

FROM :

FAX NO. :

1 Jan. 2022 1:06AM P1

DEPARTMENT OF GEOLOGICAL SURVEY AND MINERAL EXPLORATION CHEMICAL LABORATORY


Report No; 267-272/ 2022


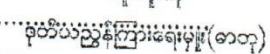
Requested by - ဒေါက်တာကျော်ဇေယျ(ဘူမိဗေဒအရာရှိ)
 Project / Locality - နေပြည်တော်မြို့ရွာ အကျိုးပြုဘူမိဗေဒမြေပုံရေးဆွဲရေးလုပ်ငန်း
 Ref; - ၀၁၈/ဘစမ(ရက)/၂၀၂၂
 Type of Sample - Water
 Date Requested - ၃၁-၁-၂၀၂၂

Date Reported - ၁၀-၃-၂၀၂၂

Lab. No.	Unit	267	268	269	270	271	272
Sender's Mark		KSUTW-01	KSUTW-02	YAMDAM-01	BBMDAM-A	BBMDAM-B	YNDAM-01
pH		7.1	7.2	7.3	7.3	7.4	7.3
Total Dissolved Solid (TDS)	µg/ml	87	272	88	245	238	99
Chloride (Cl)	µg/ml	5	5	5	20	10	20
Sulphate (SO ₄)	µg/ml	LDL	LDL	LDL	LDL	6.17	LDL
Carbonate (CO ₃)	µg/ml	LDL	6	LDL	4	4	LDL
Bi Carbonate (HCO ₃)	µg/ml	60	190	60	160	158	50
Calcium (Ca)	µg/ml	4.67	23.71	5.30	13.40	12.65	4.22
Magnesium (Mg)	µg/ml	4.20	6.53	3.94	15.36	13.47	5.64
Sodium (Na)	µg/ml	11.15	38.41	10.07	27.19	28.25	13.95
Potassium (K)	µg/ml	2.18	2.17	3.63	5.61	5.83	5.39
Iron (Fe)	µg/ml	LDL	LDL	LDL	LDL	LDL	LDL
Lead (Pb)	µg/ml	LDL	LDL	LDL	LDL	LDL	LDL
Arsenic (As)	µg/ml	LDL	LDL	LDL	LDL	LDL	LDL

Remark; LDL = Less than 0.10 µg/ml for Pb,Fe and 2 µg/ml for CO₃.
 Less than 0.4 µg/ml for SO₄ and 0.03 µg/ml for As.

Analyst; 


 ထူးထူးကို
 Chief of the Laboratory; 
 ဗိုလ်သိပ္ပံနည်းကျရေးမှူး(ဓာတု)

Lab-in-charge; 