

NETA- ATER SUPPLY CORPORATION

(Research and Quality Control Section)

CENTRAL LABORATORY

Kirtipur.

Report on Chemical Analysis of Water

Na	ame and Address of Sender		Mo T. Po	BANSBARI
Sc	ource of Sample		TREATED	WATER
Lo	cation of Sample		BANGBA	RI
Da	ite and Time of Sample Collection	**************************	205611111	8
Da	ite of Receipt	**************************	79	•
Da	ite of Analysis		• • • • • • • • • • • • • • • • • • • •	
La	b No	************************	766	
	<u>Parameters</u>	<u>Unit</u>	Result	Normal Level
1.	Appearance	**************************************	<u> Uear</u>	
2.	Turbidity	NTU	\$5	(5 — 25)
3.	Colour	°Hazen	\5	(5 —50)
4.	Temperature	° C	16	
5.	PH	_	<u>7:2</u>	(6.5 — 9.2)
6.	Electrical Conductivity	√ uS/mS/ cm	<u> 120:0</u>	(400—1250)
7.	Total Alkalinity	as CaCO ₃	56::56	
8.	P.P.H. Alkalinity	as CaCO ₃		_
9.	PH 4.5 Alkalinity	as CaCO ₃	.56:56	_
	Total Hardness	as CaCO ₃	4828	(100500)
17.	Calcium Hardness	as CaCO3	28:28	<u> </u>
	Magnesium Hardness	as CaCO	20.20	
13.	Calcium	as Ca.	11:32	(75 — 200)
14.	Magnesium	as Mg.	4.90	(<30—150)
	Total Iron	as Fe.	<u>0.01</u>	(0.1 — 1)
	Manganese	as Mn.		(0.050.5)
	Silica	as SiO ₂		_
18.	Total Ammonia	as N.	0.02	(0.05—1.5)
19.	Nintrite	as N.	····	. —
	Nitrate	as N.		(up to 10)
	Orthophosphate	as P		
22.	Chloride	as Cl.	7:08	(up to 250)

Comments:

Remarks

This report is based on the sample submitted to this Laboratory.

Notes

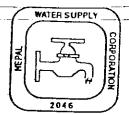
The above values are expressed as ma/l imless otherwise specified and except PH

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Date!

Chief
(Central Laboratory)

-141 -



NEPAL WATER SUPPLY CORPORATION (Research and Giality Control Section) CENTRAL ABORATORY

Report on Chemical Analysis of Water

			- ardicol
Name and Address of Sender	*************************	N.W.S.C.	BHAKTAPUR
Source of Sample	**- ******************	MANOHARA	DUG WIELL (River)
Location of Sample		BHAKTADU	R
Date and Time of Sample Collection		2055/8/22	
Date of Receipt			
Date of Analysis		99	
Lab No	***************************************	233	
<u>Parameters</u>	Unit	Rocult	Normaliana

	5 2			
	<u>Parameters</u>	<u>Unit</u>	Result	Normal Level
1.	Appearance	_	clear	_
2.	Turbidity	NTU	<u> 10</u>	(5 — 25)
3.	Colour	°Hazen	5	(5 —50)
4.	Temperature	° C	12	-
5.	. P^H	n.	6.5	(6.5 — 9.2)
6.	Electrical Conductivity	ູມ≶/mS/ cm	144.0	(400—1250)
7.	Total Alkalinity	as CaCO ₂	50:50	•
8.	P.P.H. Alkalinity	as CaCO ₃	No.	
9.	PH 4.5 Alkalinity	as CaCO	50:50	
.—1Ō.	Total Hardness	as CaCO	-66.66	(100 —500)
11.	Calcium Hardness	as CaCO	34.34	
12.	Magnesium Hardness	as CaCO	32.32	
13.	Calcium	as Ca.	13.74	(75 — 200)
14.	Magnesium	as Mg.	7.85	(<30—150)
15.	Total Iron	as Fe.	0.85	(0.1-1)
16.	Manganese	as Mn.		(0.05—0.5)
17.	Saica	as SiO,		(0.00 0.0)
18.	Total Arnmonia	asN.	0.28	(0.05—1.5)
19.	Nirtrite	as N.		(0.05—1.5)
- 20.	Nitrate	as N.		(up to 10)
21.	Orthophosphate	as P		(ap to 10)
22.	Chloride 3	as Cl.	7:68	(up to 250)

Comments 2

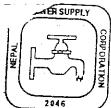
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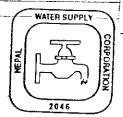
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NEP, ERSUPPLY CORPORATION (Re carch and Qualit Control Section) CENTRAL HORATORY

Report on Chemical Analysis of Water				
Name and Address of Sender	N.W.S.	· C.		
Source of Sample	Revens	Prir Waler. B	CAO Bude Reservin	
Location of Sample	<i>608</i> (?	,	
Date and Time of Sample Collection		:12:2		
Date of Receipt		11		
Date of Analysis				
Date of Analysis.		795		
<u>Parameters</u>	<u>Unit</u>	Result	Normal Level	
1. Appearance	_	S. Hazy		
2. Turbidity	NTU	15 0	(5 25)	
3. Colour	°Hazen	5	(550)	
4. Temperature	° C	14		
5. P ^H	-	<u>6.3</u>	(6.5 — 9.2)	
6. Electrical Conductivity	uS /mS/ cm	171-0	(400—1250)	
7. Total Alkalinity	as CaCO ₃	SU: SY	·	
8. P.P.H. Alkalinity	as CaCO	NIC		
9. P ^H 4.5 Alkalinity	as CaCO3	84.84	<u></u>	
10. Total Hardness	as CaCO ₂	74.74	(100 —500)	
11. Calcium Hardness	as CaCO ₃		(100 <u></u> 500)	
12. Magnesium Hardness	as CaCO ₃		*****	
13. Calcium	as Ca.		(75 — 200)	
14. Magnesium	as Mg.	<u></u>	(<30—150)	
15. Total Iron	as Fe.	1:7.	(0.1 1)	
16. Manganese	as Mn.		(0.050.5)	
17. Silica	es SiO ₂		(
18. Total Ammonia	as N.	2	(0.05 1.5)	
19. Nirtrite	as N		. —	
20. Nitrate	aş N.		(up to 10)	
21. Orthophosphate	as P		(=F ,	
22. Chloride	L. as Cl.	19.2	(up to 250)	
Comments:	NA THE STATE OF TH	,		
Conuncerts ,				
	G CONTRACT			
Remarks : This report is based				
Notes : The above values an	e expressed as mo	/ L-imless otherwise	specified and except P	
			No.	
modice as			1/3/4	
Pepared by A			Sent Sent	
DOM:			Canali Dannay)	
			100 30/10/	
	Same of the same of the same		المراجع المالي المالية	
建设工作,在1000年,1000年		THE STATE OF THE S	A DOLLEY	



WATER SUPPLY CORPORATION CENTRAL LABORATORY

Report on Chemical Analysis of Water

Name and Address of Sender	N.W. S.C. CENTRAL LABORATORY
Source of Sample	BALKHU KHOLA
Location of Sample	CALYANISTHAN
Date and Time of Sample Collection	2056 11 12
Date of Receipt	>)
Date of Analysis	5)
Lab No	749

1. Appearance 2. Turbidity 3. Colour 3. Colour 4. Temperature 5. PH 6. Electrical Conductivity 7. Total Alkalinity 8. P.P.H. Alkalinity 9 as CaCO ₃ 9 Ail	2rmal Level — (5 — 25) (5 — 50) — 6.5 — 9.2)
3. Colour °Hazen 10 4. Temperature °C 16 5. PH - 7.2 (6 6. Electrical Conductivity 48/mS/cm \$2.9.0 (7 7. Total Alkalinity as CaCO ₃ 121.20 8. P.P.H. Alkalinity as CaCO ₃ Nil	(5 —50)
3. Colour °Hazen 10 4. Temperature °C 16 5. PH - 7.2 (6 6. Electrical Conductivity 18/mS/cm \$2.9.0 (7 7. Total Alkalinity as CaCO ₃ 121.20 8. P.P.H. Alkalinity as CaCO ₃ Ail	(5 —50)
4. Temperature • C 5. PH - 7.2 (6) 6. Electrical Conductivity 7. Total Alkalinity as CaCO ₃ P.P.H. Alkalinity as CaCO ₃ Ail	· — '
5. PH 6. Electrical Conductivity 7. Total Alkalinity 8. P.P.H. Alkalinity 9. CaCO ₃ 121.20 8. P.P.H. Alkalinity 9. CaCO ₃ 1. All.	5.5 9.2)
6. Electrical Conductivity 7. Total Alkalinity 8. P.P.H. Alkalinity 9. S/mS/ cm 9. 29.0 1. 121.20 9. P.P.H. Alkalinity 9. CaCO ₃ 1. Mil.	
7. Total Alkalinity as CaCO ₃ 121.20 8. P.P.H. Alkalinity as CaCO ₃	400—1250)
8. P.P.H. Alkalinity as CaCO ₃	, , ,
9 PH 4.5 Alkalinity as CaCO ₂ 12.1:20	· - · · <u>- · - · · · · · · · · · · · · ·</u>
10 Total Hardness	00500")
11. Calcium Hardness as CaCO ₃ 101.0	_
12. Magnesium Hardness as CaCO 40.40	_
13 Calvium	5 — 200)
14 Magnacium	30150)
15 Total Iron	0.1 — 1)
16 Mangapage	.050.5)
17. Silica as SiO ₂	.03-0.5)
18 Total Ammonio	05— 1.5)
19. Nirtrite as N.	-
20. Nitrate as N.	p to 10)
21. Orthophosphate as P	p to 10 j
22 Chloride as Cl. 28.8 (up	

Comments

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NEPAL WATER SUPPLY CORPORATION (Research and Quality Control Section) CENTRAL LABORATORY

Report on Chemical Analysis of Water

Name and Address of Sender	N.W.S.C	
Source of Sample	Barkha Khala	
Location of Sample	Balkhu Khila (Beneau	h of 19 bridge)
Date and Time of Sample Collection.	056-12-2 (900 F	3 6 7 4 0)
Date of Receipt	1)	
Date of Analysis	h	•
Lab No	794	

	<u>Parameters</u>	Unit	Doorsk	
1.	Appearance	300	Beauti S. Hazu	Normal Level
2.	Turbidity	NTU	16	
3.	Colour	°Hazen		(5 — 25)
4.	Temperature		5	(550)
5.	Рн	° C	14	
6.	Electrical Conductivity		7:1~	(6.5 9.2)
7.	Total Alkalinity	us/m/s/cm	250	(400—12 5 0)
8.	P.P.H. Alkalinity	as CaCO ₃	123.21	
9.	PH 4.5 Alkalinity	as CaCO ₃	ML	
	Total Hardness	as CaCO ₃	123:21	
		as CaCO ₃	<u>lurud</u>	(100 —500)
	Calcium Hardness	as CaCO3	11110	(100 000)
	Magnesium Hardness	as CaCO	<u> 30.30</u>	· —
	Calcium	as Ca.	44.48	(75 200.)
	Magnesium	as Mg.	7.36	(75 200)
	Total Iron	as Fe.	0.70	(<30—150)
16.	Manganese	as Mn.	0.015	(0.1 — 1)
17.	Silica	as SiO		(0.050.5)
18.	Total Ammonia	as N.	0.64	
19.	Nirtrite	as N.		(0.05— 1.5)
20.	Nitrate			· · · · · · · ·
21.	Orthophosphate	as N.		(up to 10)
	Chloride	as P	10.2	
		as CI.	19:2_	(up to 250)

Comments:

Remarks: This report is based on the sample submitted to this Laboratory.

Notes : The above values are expressed as mg/l, unless otherwise specified and except PH

Plepared by

Date: 056-12-11

(Central Laboratory)

CHIEF



NEPAL WATER SUPPLY CORPORATION (Research and Quality Control Section)

Report on Chem nalysis of Water

Na	ime and Address of Sender	N.W.S.C	•	· mater
So	urce of Sample	Balkalinha		
Lo	cation of Sample	Bishan D	evi Marair	
Dа	cation of Sample	056.12-2	7 (7000 \$ 36	1,40
Da	te of Receipt	1,	T	
Lai	No	₹92	***************************************	***************************************
	Parameters	Unit	Result	
1.	Appearance		5. Hazy	Normal Level
2.	Turbidity _	NTU	18 g	(5 — 25)
3.	Colour	°Hazen	1	•
4 . '	Temperature	° C	ΙΫ́	(5 —50)
5.	Рн	****	7:2	(6.5 — 9.2)
6.	Electrical Conductivity	uS/m/s/cm	320	(4001250)
7.	Total Alkalinity	as CaCO	129.28	(400—1200)
8.	P.P.H. Alkalinity	as CaCO	NIL	
9.	P ^H 4.5 Alkalinity	as CaCO ₃	129.28	
	Total Hardness	as CaCO	151.50	(100 —500)
11.	Calcium Hardness	as CaCO ₃	121.20	(100 500)
12.	Magnesium Hardness	as CaCO ₃	30:30	· · · · · · · · · · · · · · · · · · ·
13.	Calcium	as Ca.	48.53	(7E 000)
14.	Magnesium	as Mg.	7.36	(75 — 200)
15.	Total Iron	as Fe.	ı· 30	(<30—150) (0.1 — 1)
16.	Manganese	as Mn.	0:025	•
	Silica	as SiO		(0.05—0.5)
	Total Ammonia	as N,	2· y	/0.05 4.5\
19.	Nirtrite	as N.		(0.05— 1.5)
20.	Nitrate	as N.		/

Comments :

22. Chloride

21. Orthophosphate

: This report is based on the sample submitted to this Laboratory. Remarks

: The above values are expressed as mg/L, unless otherwise specified and except P^{H} Notes

as P

as Cl.

Date: 056-12-11

Chief (Central Laboratory) Date:

(up to 10)

(up to 250)



NEPAL WATER SUPPLY CORPORATION (Research and Quality Control Section) CENTEAL LASORATORY

Report on Chemical Analysis of Water

Nέ	ame and Address of Sender	11:W·S·C		
Sc	ource of Sample	Manghan	1 KNOLO	
Lo	cation of Sample ate and Time of Sample Collection ate of Receipt	***************************************	and the state of t	
Dε	ate and Time of Sample Collection	0.56.1	2-2 (200	738248)
Dε	ite of Receipt	*1	**************************************	
Da	ite of Analysis	٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠	*****************************	***************************************
La	ite of Receiptb Nob) 3	······································
1.	Parameters Appearance	Unit	Result COOT	Normal Level
2.	Turbidity			-
3.	Colour	NTU °Hazen	<u>10</u>	(5 — 25)
4.	Temperature	° C	<u>\</u> 5	(5 —50)
5.	рн	-	14	— (6.5 — 9.2)
6.	Electrical Conductivity	uS/m/s/cm	72.0	•
7.	Total Alkalinity	as CaCO ₃	26.26	(400—12 5 0)
8.	P.P.H. Alkalinity	as CaCO ₃	NiL	******
9,	PH 4.5 Alkalinity	as CaCO ₃	26:26	
10.	Total Hardness	as CaCO ₃	40.40	
11.	Calcium Hardness	as CaCO ₃	30.30	(100 —500)
12.	Magnesium Hardness	as CaCO ₃	10.10	
13.	Calcium	as Ca.	12.13	. —
14.	Magnesium	as Mg.	d.u5	(75 — 200)
15.	Total Iron	as Fe.	0: 50	(<30—150)
16.	Manganese	as Mn.	00	(0.1 — 1)
17.	Silica	as SiO		(0.050.5)
18.	Total Ammonia	as N.	0.02	<u> </u>
9.	Nirtrite	as N.		(0.05— 1.5)
	Nitrate	as N.		lum to 40 h
21.	Orthophosphate	as P		(up to 10)
2.	Chloride	as CI.	9.6	/um to 050)
			**************	(up to 250)

Comments:

Remarks: This report is based on the sample submitted to this Laboratory.

Notes : The above values are expressed as mg/l, unless otherwise specified and except P^H

Plepared by

Date: 056-12-11

(Central Laboratory)
Date:



NEPAL WATER SUPPLY CORPORATION (Research and Gudlity Control Section) CENTRAL LANDRATORY

Report on Chemical Analysis of Water

Name and Address of Sender	N. M. S.C. Bhaktabur
Source of Sample	
Location of Sample	IVICTA PARALETA
Date and Time of Sample Collection	2056 112 (2006 7 3 8 2 4 18)
Date of Receipt	?)
Date of Analysis	77
Lab No	794

	<u>Parameters</u>	Unit	Result	Normal Level
1.	Appearance		clear	BANGE LEAVE
2.	Turbidity	NTU	5	(5 25)
3.	Colour	°Hazen	\ 5	
4.	Temperature	° C	13	(5 5 0)
5.	PH		64	(6.5 — 9.2)
6.	Electrical Conductivity	√48/mS/ cm	103.0	(400—1250)
7.	Total Alkalinity	as CaCO	36.36	(4001250)
8.	P.P.H. Alkalinity	as CaCO ₃	AH	-
9.	PH 4.5 Alkalinity	as CaCO ₃	36:36	
10.	Total Hardness	as CaCO ₃	44.44	/400 F00 h
11.	Calcium Hardness	as CaCO ₃	32:32	(100 —500)
12.	Magnesium Hardness	as CaCO	12.12	.
13.	Calcium	as Ca.	12.94	/7F 000 h
14.	Magnesium	as Mg.	2.94	(75 — 200)
15.	Total iron	as Fe.	0.10	(<30—150)
16.	Manganese	as Mn.	0.005	(0.1 - 1)
17.	Silica	as SiO,		(0.050.5)
18.	Total Ammonia	as N.	0.02	/O.O.T
19.	Nirtrite	as N.		(0.05 1.5)
20.	Nitrate	as N.		
21.	Orthophosphate	as P	/	(up to 10)
	Chloride	as Cl.	13.44	 (up to 250)

Comments :

Remarks : This report is based on the sample submitted to this Laboratory.

Notes

: The above values are expressed as mg/l, unless otherwise specified and except P^H

Prepared by

Date:

(Central Laboratory)
Date:



NEPAL WATER SUPPLY CORPORATION (Research and Quality Control Section) CENTRAL LABORATORY

Report on Chemical Analysis of Water

		r Air Augusto	u midiysis oi	r vvater
Ne	ame and Address of Sender	$N(u)$, $S \cdot C$		
Sc	ource of Sample	Bodo Roc	Υ	
Lo	cation of Sample	B000	*****************************	••••••••••••••••••••••
Dε	ate and Time of Sample Collectic	05612	2 (2000 71 312)	4 D)
Da	ite of Receipt	te	6	
Da	ite of Analysis	**************************************	****************************	4.
La	b No	795	******************************	
		***************************************	***************************************	
	<u>Parameters</u>	Unit	Beaut	
1.	Appearance		Result 5 Haze	Normal Level
2.	Turbidity	NTU	15 d	
3.	Colour	°Hazen	5	(5 — 25)
4.	Temperature	° C	14	(5 —50)
5.	Р _Н	_	6·3	
6.	Electrical Conductivity	uS /mS/ cm	171.0	•
7.	Total Alkalinity	as CaCO ₂		(400—1250)
8.	P.P.H. Alkalinity	as CaCO ₃	M. SA	
9.	PH 4.5 Alkalinity	as CaCO ₃	84.84	
10.	Total Hardness	as CaCO ₃	74.74	
11.	Calcium Hardness	as CaCO ₃	52.52	(100 —500)
	• •	as CaCO ₂		

12. Magnesium Hardness	as CaCO	ત્રેર-કર	
13. Calcium	as Ca.	21:03	,
14. Magnesium	as Mg.	5.4	(75 — 200)
15. Total Iron	as Fe.	1.7	(<30—150)
16. Manganese	as Mn,		(0.1 1)
	do Mil.	**********	(0.0E., 0.E.)

20. Nitrate as N. ______ as N. _____ (up to 10)

21. Orthophosphate as P (up to 10)

22. Chloride as Cl. 19:2 (up to 250)

Comments :

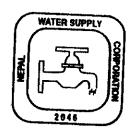
Remarks: This report is based on the sample submitted to this Laboratory.

Notes : The above values are expressed as mg/l, unless otherwise specified and except P^H

Prepared by

Date: 056-12-11

Chlef (Central Laboratory) Date :



NEPAL WATER SUPPLY CORPORATION (Research and Quality Control Section) CENTRAL LASTORY

Report on Chemical Analysis of Water

		<u> </u>	Wildiable Ol AA	HIRF
Na	ame and Address of Sender	$N \cdot W \cdot S \cdot C$		
So	ource of Sample	WELL NO -2	**************************************	\$
Lo	cation of Sample	Bodo	*************************************	*************************************
Dε	ocation of Sampleate and Time of Sample Collection	0.56.12.2	12004 3424	A 7
Da	ate of AnalysisbNob	1,	***************************************	
La	b No	196	***************************************	***************************************
	Parameters			
1.	Appearance	<u>Unit</u>	HADU & HOUMBEL	Normal Level
2.		NTU	Hazy & Yellomen	/F 05)
3	Colour	1410		(5 — 25)

ubboarding		ruzy z yellowsh	
-	NTU	26	(5 — 25)
Colour	°Hazen	30	
Temperature			(5 —50)
₽ ^H	_		(6.5 — 9.2)
Electrical Conductivity	us Imbl		_
	•		(400—1250)
•	· ·		
<u>-</u>			
			(100 —500)
	as CaCO ₃	60.6a	
	as CaCO	20:20	
	as Ca.	24.26	/75 200 \
	as Mg.	4.91	(75 — 200)
	, -		(<30—150)
Manganese			(0.1 — 1)
Silica			(0.050.5)
Total Ammonia	€	o (_	
			(0.05 1.5)
Nitrate		······	. —
			(up to 10)
-			
	as Cí.	19:2	(up to 250)
	Turbidity Colour Temperature	Turbidity Colour	Turbidity Colour Phazen Colour Phazen Colour Temperature Colour Temperature Colour Colour Temperature Colour Colou

Comments:

Remarks: This report is based on the sample submitted to this Laboratory.

Notes : The above values are expressed as mg/l, unless otherwise specified and except P^H

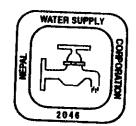
Prepared by

Date: 056-12-11

Chief (Central Laboratory)

Date:

CHIEF



NEPAL WATER SUPPLY CORPORATION (Research and Quality Control Section) CENTRAL LABORATORY

Report on Chemical Analysis of Water

Name and Address of Sender	N.W.S.C	
Source of Sample	Raw water	
Location of Sample	Cokanikali	(2000年3月24日)
Date and Time of Sample Collection	056.12.2	(2000 \$ 3 B 24 B)
Date of Receipt	1,	
Date of Analysis		
Lab No	T07	

	Parameters	<u>Unit</u>	Result	N
1.	Appearance		Hazu	Normal Level
2.	Turbidity _	NTU	1000	
3.	Colour	°Hazen	30	(5 — 25)
4.	Temperature	° C	1 <u>u</u>	(5 —50)
5.	P ^H		8	(6.5 — 9.2)
6.	Electrical Conductivity	uS /m/ Ś / cm	£78:0	•
7.	Total Alkalinity	as CaCO	569:64	(4001250)
8.	P.P.H. Alkalinity	as CaCO ₃	NNZ	******
9.	PH 4.5 Alkalinity	as CaCO ₃	<u>569</u> .64	*****
10.	Total Hardness	as CaCO ₃	282.80	_
11.	Calcium Hardness	as CaCO ₃	171.70	(100500)
12.	Magnesium Hardness	as CaCO ₃	111.10	
	Calcium	as Ca.	68.75	.
14.	Magnesium	as Mg.	26.99	(75 — 200)
15.	Total Iron	as Fe.	<u>0.</u>	(<30—150)
16.	Manganese	as Mn.	0.062	(0.1 1)
	Silica	as IVIII.		(0.050.5)
18.	Total Ammonia	as 0,0 ₂ as N.	120	
19.	Nirtrite	as N.		(0.05 1.5)
20.	Nitrate	as N.		· , -
21.	Orthophosphate	_		(up to 10)
	Chloride	as P	23.04	
	·	as Cl.		(up to 250)

Comments:

Remarks : This report is based on the sample submitted to this Laboratory.

Notes : The above values are expressed as mg/l, unless otherwise specified and except PH

Prepared by

Date: 056.12.11

Chief (Central Laboratory)
Date:

Central Laborators



NEPAL WATER SUPPLY CORPORATION (Research and Guality Control Section) CENTRAL LABORATORY

Kirttpu

Report on Chemical Analysis of Water

Parameters 1. Appearance	Unit	Result	Normal Level
Lab No	8.67	3	
U819 of Analysis			***************************************
	• • • • • • • • • • • • • • • • • • • •		
Date and Time of Sample Collection	3029.15	-2 700	00438248)
Location of Sample Date and Time of Sample Collection Data of Receipt	Okanika	J.	
Source of Sample	Treated w	ater	
Name and Address of Sender	N.W.S.C.	riidiyolo	

	<u>Parameters</u>	Unit	Result	Marine 44
1.	Appearance	<u></u>	Clear	Normal Level
2.	Turbidity	NTU	<u>5</u>	/E OE\
3.	Colour	°Hazen	<u>\</u>	(5 25)
4.	Temperature	° C	14	(550)
5.	РН		***************************************	— (O.E O.C.)
6.	Electrical Conductivity	.04.54	7.2	(6.5 — 9.2)
7.	Total Alkalinity	uS /mS/ cm	<u>869.</u> 0	(4001250)
8.	-	as CaCO ₃	55.1:46	
-	P.P.H. Alkalinity	as CaCO ₃	<i>M</i> /L	
9.	PH 4.5 Alkalinity	as CaCO3	551.46	
10.	7 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	as CaCO3	242.40	(100 500)
11.	Calcium Hardness	as CaCO	151:50	(100 — 500)
12.	Magnesium Hardness	as CaCO	00:00	,
13.	Calcium	as Ca.	60.66	
14.	Magnesium	as Mg,	22.08	(75 — 200)
15.	Total Iron	as Fe.		(<30—150)
16.	Manganese		1:0	(0.1 — 1)
	Silica	as Mn.	0.04	(0.050.5)
	Total Ammonia	as SiO ₂		
	Nirtrite	as N.	120:0	(0.05 1.5)
		as N.		· '
	Nitrate	as N.	,	(up to 10)
	Orthophosphate	as P		(ap to 10)
22 .	Chloride	as Cl.	7.68	(um to DEC)
			4 14 4 5 4 4 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6	(up to 250)

Comments:

Remarks: This report is based on the sample submitted to this Laboratory.

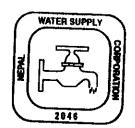
Notes: The above values are expressed as mg/l, unless otherwise specified and except PH

Prepared by

Date: 056 12-11

Claie (Central Laboratory)
Date:

CHIEF Central Laboratory



NEPAL WATER SUPPLY CORPORATION

cal Analysis of Water

Name and Address of Sender	$\mathcal{N} \cdot \mathcal{W} \cdot \mathcal{S} \cdot \mathcal{O}$	~~	
Source of Sample	Raw wa	Ler (Betone LI)	tert chiamination !
Location of Sample Date and Time of Sample Collection. Date of Receipt	Salnbu	1	
Date and Time of Sample Collection.	056.12	- 2 (2000)	1319 24 A)
Date of Receipt),	******************************	
Date of Analysis		***************************************	•••••••••••••••••••••••••••••••••••••••
Date of AnalysisLab No	7.9	2	***************************************
Parameters	Unit		
1. Appearance	——	<u>Result</u> Clar	Normal Level
2. Turbidity	NTU		(F OF)
3. Colour	°Hazen		(5 — 25)
4. Temperature	° C	13	(5 —50)
5. P ^H		7.4	(6.5 — 9.2)
6. Electrical Conductivity	uS/myŚ/cm	210.0	•
7. Total Alkalinity	as CaCO	121:20	(400—1250)
8. P.P.H. Alkalinity	as CaCO ₃	NIL	·
9. PH 4.5 Alkalinity	as CaCO	121.20	
10. Total Hardness	as CaCO	121.20	-
11. Calcium Hardness	as CaCO ₃	101.0	(100500)
12. Magnesium Hardness	as CaCO	20.20	,
13. Calcium	as Ca.	yoyy	·
14. Magnesium	as Mg.	10.2	(75 — 200)
15. Total Iron	as Fe	0.01	(<30—150)
16. Manganese	as Mn.	0.005	(0.1 — 1)
17. Silica	as SiO	······	(0.050.5)
18. Total Ammonia	as N.	0.02	
19. Nirtrite	as N.		(0.05— 1.5)
20. Nitrate	as N.		
21. Orthophosphate	as P	•••••••	(up to 10)
22. Chloride	as Cl.	9.6	
	W VI.	······································	(up to 250)

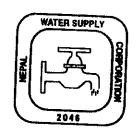
Comments :

: This report is based on the sample submitted to this Laboratory. Remarks

Notes : The above values are expressed as mg/l, unless otherwise specified and except P^{H}

Date: 0 56-12-11

-Chief



NEPAL WATER SUPPLY CORPORATION (Research and Quality Control Section) CENTRAL LABORATORY

Report on Chemical Analysis of Water

Name and Address of Sender	$N_{i}W\cdot S\cdot C$	
Source of Sample	LUCKOVIUM AVOITOR	
Location of Sample	Salmbu	•••••••••••••••••••••••••••••••••••••••
Date and Time of Sample Collection	056.12.2	(2000 \$ 3 \$ 24 \$)
Date of Receipt	1,	
Date of Analysis	7,	
Lab No	800	

	Parameters .	Unit	Desult	•
1.	Appearance		Result Clor	Normai Level
2.	Turbidity	NTU		
3.	Colour	°Hazen	<u>45</u>	(5 — 25)
4.	Temperature	°C		(550)
5.	РН		13	
6.	Electrical Conductivity	us made	7:3	(6.5 9.2)
7.	Total Alkalinity	uS/m/s/cm	214	(400—12 5 0)
8.	P.P.H. Alkalinity	as CaCO ₃	!!\$:!!Y	
9.	P ^H 4.5 Alkalinity	as CaCO ₃		
	Total Hardness	as CaCO ₃	<u>!!S:!</u> Y	
	Calcium Hardness	as CaCO ₃	131.30	(100 —500)
		as CaCO ₃	103.02	
	Magnesium Hardness Calcium	as CaCO ₃	2828	****
		as Ca.	41.25	(75 — 200)
	Magnesium	as Mg.	6.87	(<30—150)
	Total Iron	as Fe.	0.01	(0.1 — 1)
	Manganese	as Mn.	0.002	•
	Silica	as SiO ₂		(0.050.5)
	Total Ammonia	as N.	0.02	
19.	Nirtrite	as N.	/	(0.05 1.5)
20.	Nitrate	as N.		· , —
21.	Orthophosphate	as P	••••••	(up to 10)
22.	Chloride	as Cl.	9.6	
				(up to 250)

Comments :

Remarks: This report is based on the sample submitted to this Laboratory.

Notes : The above values are expressed as mg/l, unless otherwise specified and except PH

Prepared by

Date: 056-12-11

Chief
(Central Leboratory)
(Central Leboratory)

CHIEF
Central Laborator

Ph. No: 332089



NEPAL WATER SUPPLY CORPORATION

(Research and Quality Control Section) CENTRAL LABORATORY

Report On Bacteriological Analysis of Water

Nan	ne and Address of Sender	N.W.S.C	
Sou	rce of Sample	Balknu knola	(under the bridge)
Loca	ation of Sample	Baikhu Khal	2
Date	e and Time of Sample Collection	056.12.2.	(2000年3月24日)

			••••••
1.	Coliforms	180	MPN/100ml.
2.	Faecal Coliforms	MT	MPN/100ml.
3.	Any other Bacteria		
			•
	Comments :-	. •	

Microbiologist

Date: 24th March 2000.

Microbiologist

Chief Central Laboratory

CFFEF

—155 —



NEPAL WATER SUPPLY CORPORATION

(Research and Quattry Control Section) CENTRAL LABORATORY

Report On Bacteriological Analysis of Water

Nan	ne and Address of Sender	N.W.S.C	
Sou	rce of Sample	Balkhu Kho	La.
Loca	ation of Sample	Bishan Do	M Temple
Date	and Time of Sample Collection	056.12.2	(2000年3月24日)
Date	of Sample Receipt	31	
			•••••
Lab. No		0	
1.	Coliforms	1807	MPN/100ml.
2.	Faecal Coliforms		
3.	Any other Bacteria	· /	
	Comments :-		

Microbiologist

Date: 2000.

Microbiologist

Chief Central Laboratory

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Central Laboratory

Ph. No: 332089



NEPAL WATER SUPPLY CORPORATION (Research and Quality control Section) CENTRAL PRATORY

Report On Bacteriological Analysis of Water

Nan	ne and Address of Sender	M.W.S.C	***************************************
Sou	rce of Sample		
	ation of Sample		
	e and Time of Sample Collection		
	of Sample Receipt		
Date	e of Analysis		
Lab. No		346	
1.	Coliforms	180 ⁺	<i>I</i> PN/100ml.
2.	Faecal Coliforms	N.L.	! IPN/100ml.
3.	Any other Bacteria		
	Comments :		

Microbiologist

Date: 24" March 2000.

Microbiologist

Chief Central Laboratory

CHIEP

Central Laborators



NEPAL WATER SUPPLY CORPORATION (Research and Quality Control Section) CENTRAL LABORATORY Kirtleor

Report On Bacteriological Analysis of Water

Name	and Address of Sender	N. IV.	S. C. B.	YAKTAPUR.	*****************
Source	e of Sample	IN-FI	LTRATI	ON WELL	▼22001210000000000000000000000000000000
Location	on of Sample	MAN	OHARA	***************************************	·
Date a	and Time of Sample Collect	tion 2056	12/2	(2000 7 7A 24)	a)
Dateo	f Sample Receipt) 9	•	*************************	
	f Analysis				
	o				
			•		
1.	Coliforms	Nil	MPN	/100ml.	
2.	Faecal Coliforms	Mil	MPN	/100ml.	
3.	Any other Bacteria		•••••		
	Comments :-				

Migrapialagiet

Date: 24th Mariolos

Chiefer Central Laboratory

-158-

Ph. No: 332089



NEPAL WATER SUBJECT CORPORATION (Research and Quality Control Section) CENTRAL LANDRATORY Kinztour

Report On Bacteriological Analysis of Water

Name	and Address of Sender	M.W.S.C	•	•••••
Source	e of Sample. Filtered	water	•••••	**************
	on of Sample			
Date a	and Time of Sample Collection	056:12-2	(2000年3月24日)	*********
	f Sample Receipt		•	
	f Analysis		· · · · · · · · · · · · · · · · · · ·	
Lab. No				
1.	Coliforms	160	MPN/100mi.	
2.	Faecal Coliforms	NiL	MPN/100ml.	
3.	Any other Bacteria		·•••	
	Comments :-			

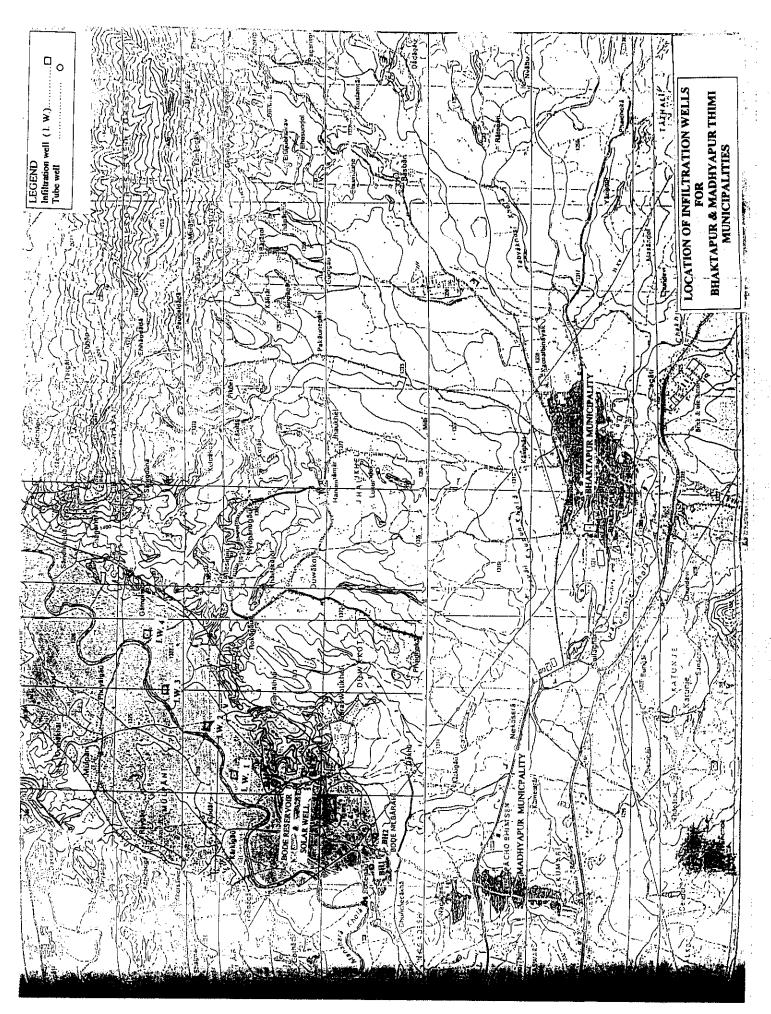
Microbiologist

Date: 2<14 March. 2000.

Microbiologist

Chief
Central Laboratory

Central Laboracory



ANNEX

Report on Chemical Analysis of Water of Dug Well & Deep tube well

						Dugwell water			Well water
	Date of collection			25 oct. 98	24 Nov.98	055/8/12	055/8/14	055/8/22	22 Dec. 98
S.No.	Parameters	Unit	Normal Level	Result	Result	REGAL	REAL	Result St.	Result
-	Appearance			Hazy	Hazy	Hazy	Clear	Clear	Hazv
2	Turbidity	NTU	(5-25)		30	15	10	10	\$
3	Colour	°Hazen	(5-50)		10	10	5	5	15
4	Temperature	၁့			16	15	15	12	12
S	РН		(6.5-9.2)	6.8	6.9	7.1	6.9	6.5	9.9
9	Electrical Conductivity	uS/mS/ cm	(400-1250)	522	183	140	143	144	228
7	Total Alkalinity	as CaCO3		199.98	62.62	40.4	48.48	50.5	96.96
∞	P.P.H. Alkalinity	as CaCO3		ΞZ	Nii	N.	豆	Z	浸
6	PH 4.5 Alkalinity	as CaCO3		199.98	62.62	40.4	48.48	50.5	8.8
2	Total Hardness	as CaCO3	(100-200)	212.10	70.7	72.72	72.72	99.09	80.8
=	Calcium Hardness	as CaCO3		161.60	42.42	36.36	34.34	34.34	54.54
12	Magnesium Hardness	as CaCO3		50.5	28.28	36.36	38.38	32.32	26.26
13	Calcium	as Ca.	(75-200)	64.7	16.98	14.55	13.79	13.74	21.83
7	Magnesium	as Mg.	(<30-150)	12.26	98.9	8.83	9.32	7.85	6.37
15	Total Iron	as Fe.	(0.1-1)	1.2	0.65	1.8	-	0.85	4.0
16	Manganese	as Mn.	(0.05-0.5)						
17	Silica	as SiO2	***************************************						
18	Total Ammonia	as N.	(0.05-1.5)	2	1.4	8.0	0.8	0.28	4.8
19	Nitrite	as N.	***************************************						
20	Nitrate	as N.	(up to 10)						
21	Orthophosphate	as P							
n	Chloride	as Cl.	(up to 250)	21.21	7.68	7.68	7.68	7.68	11.52

カトマンズ盆地内NWSC水道システムの給水栓での水質 1999 年 3 月

MONTH: CHAITRA (2055) L1. ACTIVITIES OF LABORATORY

_				T .		Total	Tatal	Total	I Chiani	Imaaia		<u> </u>	Te	
S.N.	Date	Sourc	Арр.	c	PH	Alkalit	Iron	Amor	Chlori	Free			Feaca	
1	055-12-1	Kapoordhara	Clear/<5	\ \ 5	6.3	70.70	0.10	0.02	19.20	riee	Total	22	li Colifo	
2	055-12-1	Dhobighat PVt,tap	Clear/<5	<5	7.2	113.1	0.01	0.02	5.76	0.2	0.20	Nil		Unsatisfactory Excellent
3	055-12-2		Clear/<5	<5	7.4	115.1	0.01	0.02	7.68	0.2	0.30	Nil		
4	055-12-2		Clear/<5	<5	7.1	113.1	0.01	0.02	7.68	0.05	0.30	Nil		Excellent
5		Patangate	Clear/<5	<5	7.3	111	0.01	0.02	7.68	0.03	0.1	Nil	. , ,	Excellent
6		Etitole L.P.	Clear/<5	<5	7.3	121.2	0.01	0.02	7.68	0.20				Excellent
7		Sundarighat W.T.	Clear/<5	1 25	7.1	127.3	0.2	0.02	9.6	0.20	0.20	Nil Nil		Excellent
8		W.T.P.Reser.Pvt.t	Clear/<5	<5	7.3	389.9	0.1	40.0	13.44.	Nil	Nil	4		Excellent
9	<u></u>	Stone Sp.Dhobigh	Clear/<5	<5	6.2	86.86	0.01	0.20	28.8	INH	INII	20	Nil	Unsatisfactory
10		Mangalbazar	Clear/<5	< 5	6.20	96.96	0.01	0.20			 	0.92		Unsatisfactory
11	055-12-9		Clear/<5	10	6.40				44.16		ļ	180		Unsatisfactory
12	1	S.S.Phasikeva	Clear/<5	10	6.90	169.7	0.1	8.00	76.8			180		Unsatisfactory
13		Ranjanagalli	Clear/<5	<5		311.1	0.2		80.6			180		Unsatisfactory
14		Maru Elachhen		ž	6.7	20.2	0.2	0.2	88.3	Nil	Nil	180		Unsatisfactory
15		Buba L.P.	Clear/<5	5	7.3	121.2	0.01	0.02	5.76	0.15	0.15	3	Nil	Satisfactory
16			Clear/<5	5	7.3	96.96	0.01	0.02	5.76	0.15	15	5	Nil	Satisfactory
17	055-12-9 055-12-1	Etitole	Clear/<5	5	7	90.90	0.01	0.02	5.76	0.05	0.1	18		Unsatisfactory
18		Lagankhel	Clear/<5	5	6.8	121.2	0.1	0.02	5.76	Nil	Trace	22		Unsatistactory
19		Sundarighat	Clear/<5	5	7.1	107.1	0.01	0.02	5.76	С	0.1	14		Unsatisfactory
20		Bhajangal	Clear/<5	<5	7.2	107.1	0.01	0.02	5.76	Nil	0.2	5	Nil	Suspicious
	055-12-1		Clear/<5	<5	7.2	60.6	0.01	0.02	7.68	Nil	0.2	5	Nil	Suspicious
21		Bhotebahal	Clear/<5	<5	7.3	127.3	0.2	0.32	5.76	0.15	0.2	18	Nil	Excellent .
22		Kuleswor	Clear/<5	<5	7.2	115.1	0.01	0.02	5.76	0.2	0.15	0.03	Nil	Excellent
23	055-12-1		Clear/≤5	<5	7.2	125.2	0.01	0.02	5.76	0.1	0.2	nii	Nil	Satisfactory
24		Jhamsikhel	Clear/<5	<5	7.4	121.2	0.01	0.02	7.68	0.05	0.1	0.03	Nil	Suspicious
25	055-12-1		Clear/<5	<5	7.2	109.1	0.01	0.02	7.68	0.05	0.05	0.07	7	Unsatisfactory
26		Sanepa	Clear/<5	<5	7.6	101	0.01	0.02	90	0.05	0.05	92		Unsatisfactory
27	055-12-1	Laltinbazar	Clear/<5	<5	7.4	346	0.6	0.02	7.68	Nil	0.05	54	Nil	Unsatisfactory
28		Ganabahai	Clear/<5	<5	10.2	131.3	0.1	12		0.4	Nil	1804	+ Nil	Excellent
29	1.	Kirtipur	Clear/<5	<5	7.2	117.2	0.01	0.02	5.76	0.8	0.5	Nil	Nil	Excellent
30		Sundarighat	Clear/<5	10	7.2	105	0.8	0.02	9.6	0.15	Nil	5	Nil	Suspicious
31	055-12-1	<u> </u>	Clear/<5	<5	6.9	127.3	0.1	0.44	5.76	0.1	0.8	Nil	Nil	Excellent
	055-12-19		Clear/<5	<	5 7.2	121.	2 0.1	0.0	12 5.	76 (1 0	.15	NII N	il Excellent
33	055-12-19	Nayabasti	Clear/<5	<	5 7.1	121.2	2 0.1	0.0	7.0	38 0	0.1 0	.15	Nil N	il Excellent
34	055-12-22	Dhobighat	Clear/<5	<	5 7.2	105	0.1	0.0	2 5.	76 0	0.2 0	.15	NII N	
35	055-12 - 22	Jawlakhel	Clear/<5	<	5 6.7	125.2	2 0.0	1 0.0	2 5.			.15	Nil N	. ,
36	055-12-23	Pulchowk	Clear/<5	_<	5 7.5			1 0.0	2 7.0	38 0			Nil N	
		Kupondole	Clear/<5	<	5 7.	1 119.	2 0.0	1 0.0		.68	0.1		Nil N	
38	055-12-30	Etitole	Clear/<5	<	5 7.	2 109.							Nii N	
39	055-12-30	Ekantakuna	Clear/<5	<	5 7.	2 107.	1 0.0	1 0.0			0.1		Nil N	
40	055-12-30	Ganabahal	Clear/<5	<			2 0.0				0.1		Nil N	
			Cical/ \J		<u> </u>	1 (1)	0.0	<u> </u>	12 3	10	U. I	U.Z	N III	il Excellent

Excellent - 20 Satisfactory - 3 Unsatisfactory - 13 Suspicious - 4

Source: NWSC