فخم Ű ˥

（污染影响类）

2025 9

中华人民共和国生态环境部制

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ﻳﺮ 7 ﻳﺮ O Ⅵ β ˜ ﻳﺮ

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: جي عجم 3 ≠

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10 ᴧ ⌈. ᴧ ضم عجم.

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ᾅ عجم 2025

عجم ∛ 97% ⌈ عجم

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	. ﳈ ᛗ . ﻍ . ﻐﺠ ᵰ Ḡ ⅞ ﻫ **ᛀ ‶ ﻍ ﻳﺠ Ḡ ᵰ №** ᛀ ‶ ﻍ ﻳﺠ Ḡ 2021 3 1 ﻫ , № 1-3 ᛀ ‶ ﻍ ﻳﺠ Ḡ ᵰ <table><tr><td></td><td>,</td><td>ᵰ</td></tr><tr><td>ﺿﻲ ὲ ﻤﺨ ṗ . ﳈ ᛗ ﻍ</td><td>. ﳈ ᛗ . ﻍ .</td><td>ᵰ</td></tr><tr><td>ﺿﻲ ὲ ﻤﺨ ṗ ﻍ ὲ ﻤﺨ ṗ ᵖ ɣ ᛀ ῃ Ḡ</td><td>ἳ</td><td>ᵰ</td></tr><tr><td>ᵹ ﻍ Շ ˈ ᒪ ℴ ῀ ῢ ᒪ ﻍ ℴ ﻍ ᒺ ɰ ὲ Ḥ</td><td>ℴ ῢ ῀ ῀ 91530100775519713B003Z ῃ ⌈. ᕕ TP ₮ ⌠ ﻋﺠ ᕕ ṿ DB5301/T43-2020 A ‰ 0.05mg/L ᕕ ᛗ TP ﺿﻲ ɰ</td><td>ᵰ</td></tr></table> № ᵰ ᛀ ‶ ﻍ ﻳﺠ Ḡ ﻫ **“ ῢ ᛀ ﻼ** **” ᵰ №** ˩ ﮃ W὘E 2022 1 19 ᛀ ῢ “ ˜ ᛀ ῢ ﮃ ᛀ Ē ᛗ

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2024 2021-2035 4274.70 20.34% 1.85% 5151.56km^2 24.37% 2.45%		
2.		
2025 81.5% 45 80% V 22 100% 99.1% $PM_{2.5}$ 24 / 0		

	r Ḡ h ἶ ضر ῃ ≠ U 15m ᵞ 90% ضر № ῃ ≠ ⌠ Ḡ ἶ ᗑ 1# ᗑ β 1 1 ɰ Ḡ U ╝ ⁝ Ḡ غ حی ضرغ ضي مخ № Ψ ἶ ᛗ ᴡ	
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	⌠ 2025 یجـ غ ⅞ ῃ L " " L ضي ᗑ ᛗ ṗ ضر Ḡ ᐯ ضر ضرحی ≠ Ḡ ضر حی ضر ≠ L ᛧ β GDP Ψ L ᛗ ≠ Ḡ ⌠ ⌠	
	4. r	
	1. حی یجـ r ⅞ 2021-2035 2. ṗ ضي ᗑ ᛗ ṗ ᛗ Ḡ ἶ ضر ɒ β ṗ № ᛗ ᛗ 3. ṗ ἶ ᛗ " " ⅞ ἶ " " ⅞ № ᛗ 4. ṗ	

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		2. [illegible]	[illegible]	
		1. [illegible] 2. [illegible] 3. [illegible] 4. [illegible] 5. [illegible] 95% [illegible] 85 [illegible] 100 6. [illegible]	1. [illegible] GB3095-2012 [illegible] 2. [illegible] 3. [illegible] 4. [illegible] 100% 5. [illegible] ≠ 6. [illegible]	[illegible]
		1. [illegible] 2. [illegible]	[illegible] GB18597-2023 [illegible]	[illegible]
	[illegible]	[illegible] ≠ ≥80%	[illegible]	[illegible]
	[illegible]			

Έ “ Ⅵضم ” Ḡ ⅞ ₚ №

2022 9 Ȕ “ Ⅵ

ضم ” Ḡ ⅞ “ Ⅵضم ”

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“ Ⅵضم ” Ḡ ⅞ ₚ №

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⊤ ≢ ضر ⅞№ضر №ᛩ №ᛩ ضر غضر ᛩ حى غضر ᛩ ضرضرشي Ḡ ȍ ضر ŋ ضر ضر غ ضر Ḷ ضر Ḥ	ﺃ شخ حى غضر ضي مخ	
كل ᛩ ᛩ كل غ ﺃ ٥ كل ᛩ كل : ٥ كل غ مخ ٥ كل ﺃ	كل شخ كل كل ᗑ ᒷ ཱྀ	..
ŭ Đ ⊤ Ḷ ŭ Đ № № ٥ B̠ ǡ ᛩ Ạ ƀ ŭ Đ ḱ غ ḱ ٥ Ḷ ﺃ ḱ Ḷ	ῃ ⌈. ᗑ ᗑ Ḷ ŭ Đ U ḱ	..

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365.3 ꟾ Ꞓ

32.2 ꟾ

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β ꟼ Ḡ ꟽ

26 ꟾ β

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ꟽ Ḡ ᴅ №

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100%

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[illegible] 2023 115 [illegible]

[illegible]

[illegible]	[illegible]	[illegible]
[illegible] 2025 [illegible] 70% [illegible] 95% [illegible]	[illegible]	[illegible]
[illegible]		[illegible]

0.3	0.05	

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2019 1 24

10950 m^3/a 30 m^3/d 2021 3 5

102°41′17.92″ 24°57′52.99″

5

m^3/d BOD COD NH_3-N TP

DB5301/T43-2020 A

DB5301/T43-2020 B

GB18918-2002

A

12 m^3/d 14.6 m^3/d

10 m^3/d 12.2 m^3/d

15 m^3/d

5 m³/d 35 m³/d

5

m³/d

BOD COD NH_3-N TP

DB5301/T43-2020 A ‰ TN

DB5301/T43-2020 B ‰

‰ GB18918-2002 A ‰

2015 1 1

2016 9 1 2018 12 29

2017 10 1

2021

“ ” 94

“ 10 500 ”

6930.59 45.7 0.66%

2025 11 2026 2

35 m^3/d

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35 m^3/d

1 1#

10.0×10

ᵣ № ڿ DN300 ᵣ ڿ 120m DN50
ᵣ ᶹ 200m U ꟽ → ꟷ ꟽ DN1000 ڿ 300m
ת DN1200 400m ʏ
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		ꟽ 5.0 m^3/d 2 ꟿ ꟽ . ᵁ ض ꟾ ض 250m^2	
		ض . ض D=16m H=5.5m ꟾ ض 200m^2	
		‟ 4 ̃ ض ᵦ 1 ̃ Q 80m^3/h	
		D ق DN1000 800m	
		→ DN100 550m	
		ᵣ № ڿ → DN250 ᵣ ڿ 50m	
		→ ᵣ № ڿ DN300 ᵣ ڿ 120m	
		DN50 ᵣ ᶹ 200m	
		U ꟽ → ꟷ ꟽ DN1000 ڿ 300m ת	
		DN1200 400m	
ɰ	WЀꟽ	ῃ ⎾. ꟿ WЀꟽ ᵦ ꟿ ꟽ ꟽ ᵁ ꟾ ض 43000m^2 ƧWЀ Ả ش Ѐڿ ʏ ỉ̈ ỉ̇ ꞁ	ɰ
	ꟿ	ꟿ ض ꟿ ꟽ ꟽ ᵁ ₮ ˜ₒ	ɰ
		ᵦ ꟿ ꟽ ᵁ ꟾ ض 100m^2	ɰ
		ŋ ꟿ 1 ꟾ ض 625.6m^2 ꟸ 7 ̃ 5 ̃	ɰ

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BOD COD NH3-N TP

DB5301/T43-2020 A ‰ TN

DB5301/T43-2020 B ‰

‰ GB18918-2002 A ‰

‰

15m

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‰ GB18918-2002

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43.8m 6.8m

35 m^3/d

39 m^3/d

40m

4.5m 6 $0.83m^3/m^2h$

0.5m 5.0m 1.24m $^3/m^2h$ $1.24m^3/m^2h$

			20Nm³h 7 bar		2
			20Nm³h 7 bar		3
			Q=90-150L/h H=20m P=1.1kW		1
			7.5kW		2
			φ=1200mm N=4.0kW		4
			NP3127 Q=120m³/h H=8.0m N=5kW		2
			DN1800Q=14000m³h		1
			HCRKO/2500-30-7.5		8
			HCRKO/2500-30-11		8
			D≈2500mm N=7.5kW		10
			D≈2500mm N=5.5k		4
			PP4660		12
			PP4680 25kW Q=1832m³/h H=1.5m		6
			NP3301		8
			NP3300		5
			NP3127		6
			Q=60m³/h H=15m N=5.9kW		3
			ZX40		

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	KRT K150-315/234UG 21kW	≍	2
	Amarex ND100-220/044ULG 3.7kW	≍	2
ర	XZB1000-25	≍	2
	KA10S-GK200		5
	KA22S-GL225 Q=231.5m^3/min		2
˗ ˧ ర	TJ-3 31066m^3/h BXH=2438X2134		12
	T35-II-7.1	≍	7
	G2-100	≍	5
ข	PDB8.5		
Ⓟ	M-OVAS/70-3.0/NC	≍	4
Ⓟ	Q=50~100m^3/h N=5.5kW	≍	1
	NM105BY01L06V	≍	5
ข	NM031BY01L06B Q=0.17~1.09m^3/h =H=20m N=0.55kW	≍	5
ర		≍	2
ర	WNG16	≍	3
	Q=25m^3/h L=20m N=11kW	≍	1
	LS 550	≍	1
æ			

1.3		Q=4800m³/h H=0.8m P=25kW 380V IP68 F 10m		2	2	
1.4		Q=1390m³/h H=5.0m N=40kW		1	1	
1.5		3W/m³		6	6	
1.6		15.0×10⁴m³/d		1	1	
1.7		15.0×10⁴m³/d		1	1	
2						
2.1		1100m³/h L×B=21m×4.5m		2	2	
3						
3.1		Q=80m³/h N=86kW		1	1	
3.2		D=16.0m N=1.5kW		1	1	

1.

2-5

	219	m^3
	24852.23	t
PAM	58.96	t
PAC	17023.6	t

	219	5	m^3	
	173965.61	140	t	
PAM	412.72	7	t	
PAC	119165.2	105	t	

2.

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1%

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COD

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PAM

PAM Polyacrylamide Ώ

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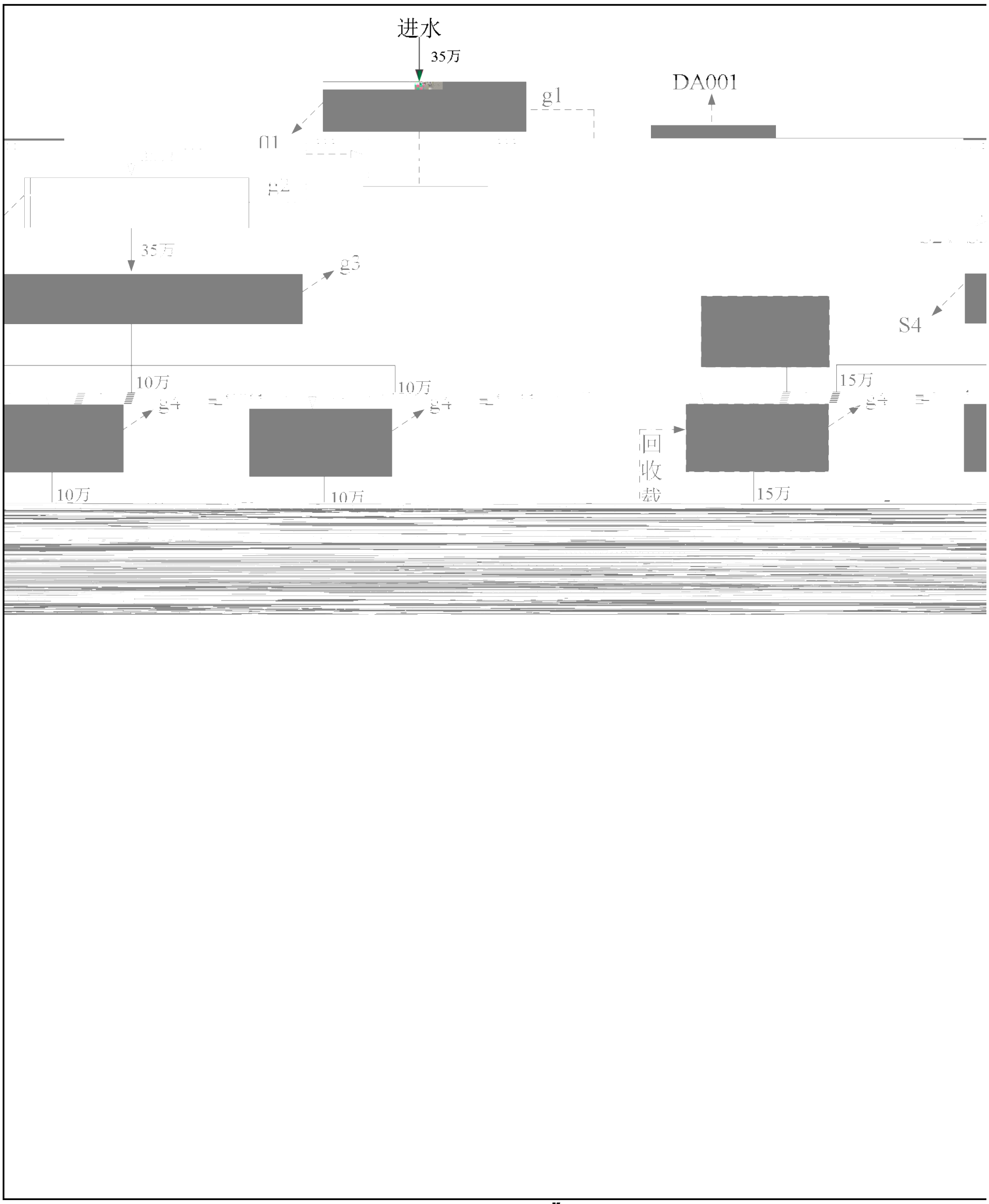
5 m^3/d



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┌ . ۸ ‶ 2˜ ˜ ɀ 9445m³/h ɀ

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‶ 8˜ 4˜ 5867-5628-5403m³/h 4˜

4145-3890-3615m³/h ɀ 35 m³/d ≠

S1 ﻛﻞ ﻍ g1

ˀ Ս AOE ﻘﻤﻢ

15m DA001 ћ

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10.0 × $10^4 m^3/d$ 15.0 × $10^4 m^3/d$

AAO N g4

5

3 2 ‰

SS BOD$_5$

6 40m 4.5m

$15072m^2$ 5.43h $0.83m^3/m^2h$

3.62h 1.24

1

g5

6

“ +D ” 30 m^3/d

TP≤0.5mg/L ’ 30 m^3/d ∓

ǐ ᴧ

⌠ ضرىشي └ 5 m^3/d r.

ƀ /\ 30 m^3/d ɰ

U 35 m^3/d ˜ D قمم

D قمم 911.23m^2 13.72m^3/m^2h └

15.24m^3/m^2h U 17.38m^3/m^2h └ 19.31m^3/m^2h

U غ └ ضيىشخ

10950 m^3/a 2021 3 5

102°41′17.92″ 24°57′52.99″

13		3	218.93
14		1	10m
15	ʊ		

04	11.611	0.171	0.029	7.161	7.055	15.182
05	12.355	0.146	0.034	6.943	7.038	16.247
06	10.395	0.11	0.03	6.676	7.06	16.967
07	10.479	0.107	0.03	6.761	7.092	17.576
08	10.526	0.096	0.025	6.964	7.089	18.181
09	11.103	0.163	0.026	7.186	7.061	17.663
10	10.587	0.147	0.028	7.207	6.996	15.797
11	10.639	0.151	0.031	7.098	7.008	14.118
12	10.485	0.139	0.032	7.176	7.004	12.17
ﺷﺦ ﻴ	10.69	0.13	0.03	7.11	7.04	11.113
‰	20	1.0	0.05	10	-	-
’					-	-

COD NH$_3$-N TP ﺷﺦ ﻴ ᛘ

ﻴ DB5301/T43-2020 A ‰ TN ﺷﺦ ﻴ

ᛘ ﻴ DB5301/T43-2020 B ‰ ₮ ﺷﺦ

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ῆ ｒ. ᛘ 10950 m^3/a COD 20mg/l 2372.5t/a 1.0mg/l 118.625t/a TP 0.05mg/l 5.93125t/a TN 10mg/l 1186.25t/a

2024 ﺿﻲ

778.545t/a 3.285t/a ﺶﺧ ٧ ῀

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1#AOE Ս 15m DA001

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ᗰ Ս 2#AOE Ս 15m

DA002 ἶ φ ᗰ

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ﺿﻲ ’ ᖶ ᖽ β DA001 ﻍ DA002

. 2024

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		ﺝ ῀		1	2	3	ﺶﺧ ٧	‰ GB14554-93
DA001	2024.02.21		mg/m³	1.05	1.10	1.22	1.12	/
			kg/h	0.0023	0.0022	0.0025	0.0023	4.9(kg/h
		.	mg/m³	0.06	0.06	0.07	0.06	/
			kg/h	0.00013	0.00012	0.00014	0.00013	0.33(kg/h
				354	354	269	354 ٧	2000
	2024.08.14		mg/m³	1.58	1.38	1.48	1.48	/
			kg/h	0.0039	0.0034	0.0042	0.0038	4.9(kg/h
		.	mg/m³	0.05	0.06	0.06	0.06	/
			kg/h	0.00012	0.00015	0.00017	0.00015	0.33(kg/h

			478	416	416	478	2000
		mg/m³	1.37	1.52	1.62	1.50	/
		kg/h	0.0027	0.0039	0.0032	0.0029	4.9(kg/h
	2024.02.21	mg/m³	0.08	0.07	0.08	0.08	/
		kg/h	0.00016	0.00013	0.00016	0.00015	0.33(kg/h
DA002			478	416	478	478	2000
		mg/m³	1.72	1.67	1.<		
	2024.08.14						

		h 3#	0.04	0.05	0.04	0.05	0.05		
		h 4#	0.05	0.07	0.07	0.08	0.08		
		h 1#	<10	<10	<10	<10	<10		
		h 2#	<10	<10	<10	<10	<10	20	
		h 3#	<10	<10	<10	<10	<10		
		h 4#	<10	<10	<10	<10	<10		
			1.48	1.47	1.46	1.54	1.54		/
		r /%	0.000207	0.000206	0.000204	0.000216	0.000216		1
			1.46	1.45	1.49	1.50	1.50		/
		r /%	0.000204	0.000203	0.000209	0.000211	0.000211		1
		h 1#	0.007	0.005	0.004	0.005	0.007		
	.	h 2#	0.008	0.009	0.008	0.008	0.009		0.06
		h 3#	0.008	0.009	0.007	0.009	0.009		
		h 4#	0.010	0.009	0.010	0.008	0.010		
		h 1#	0.04	0.05	0.04	0.05	0.05		
		h 2#	0.05	0.04	0.06	0.05	0.06		1.5
		h 3#	0.09	0.07	0.08	0.07	0.09		
		h 4#	0.09	0.07	0.09	0.07	0.09		
		h 1#	<10	<10	<10	<10	<10		
2024.04.26		h 2#	<10	<10	<10	<10	<10	20	
		h 3#	<10	<10	<10	<10	<10		
		h 4#	<10	<10	<10	<10	<10		
			1.89	1.63	1.66	1.79	1.89		/
		r /%	0.000265	0.000228	0.000232	0.000251	0.000265		1
			1.70	1.62	1.72	1.63	1.72		/
		r /%	0.000238	0.000227	0.000241	0.000282	0.000241		1
2024.07.13	. æ								

ﻋﺠﻢ ᗑ ‰ GB18918-2002 ᗑ ῟Ḥ

‰ ṿ ᗑ ᗒ r ﻋﺠﻢ ᗑ ‰

GB18918-2002 ‰

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ﻛﻞ ﻷ ἳ

ﻛﻞ ﻷ ﺿﺮ ᒣ ﺿﺮ ﻛﻞ

ﺿﻲ ﻛﻞ

[illegible]

[illegible]	[illegible]	[illegible]	t/a	[illegible]
1	[illegible]	/	10.95	[illegible]
2		[illegible]	210	[illegible]
3		[illegible]	821	[illegible]
4	[illegible]	[illegible]	19	[illegible]
5		[illegible]	18250	[illegible]
6	[illegible]	[illegible] HW49900-217-08	0.5	[illegible]
7	[illegible]	[illegible] HW08900-047-49	0.15	[illegible]
8		[illegible] HW29900-023-29	1	[illegible]

[illegible]

[illegible] 100% [illegible]

[illegible]

	∧ ⁼ ض U ̂ ▯ ⋮ ⌈ . ∧ ⌈ . ∧ ∨ ⌈ . ∧ ∨ ⌈ . ∧ ∧ z ⋮ , ΰ ≠ ،

GB3095-2012

GB3095-2012 ‰ 347m

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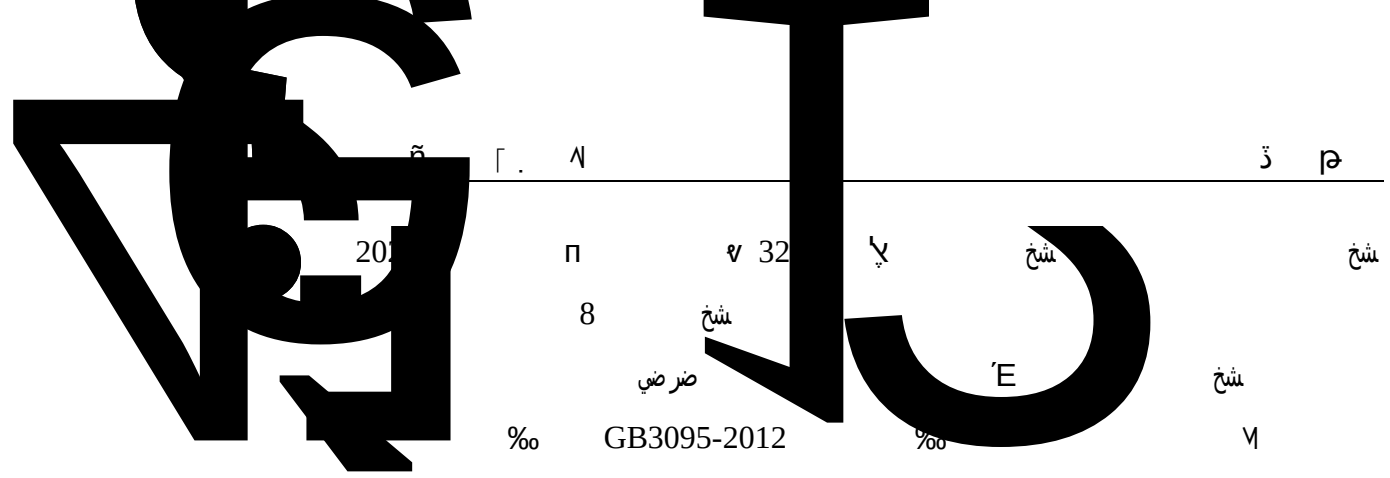
GB3095-2012 ‰ NH_3 H_2S

HJ2.2 2018 D D.1 ‰

		شخ	‰	‰	β
	SO_2	شخ	20	60	
		24 شخ	50	150	
		1 شخ	150	500	
	NO_2	شخ	40	40	
		24 شخ	80	80	
		1 شخ	200	200	μg/m^3
	PM_{10}	شخ	40	70	
		24 شخ	50	150	
	$PM_{2.5}$	شخ	15	35	
		24 شخ	35	75	
	O_3	8 شخ	100	160	
		1 شخ	160	200	
	CO	24 شخ	4	4	mg/m^3
		1 شخ	10	10	
	TSP	شخ	80	200	
		24 شخ	120	300	μg/m^3
		1 شخ	20	20	



‰ ṿ	0.2	0.01
,		

ᴍ TSP ‰ GB3095-2012

‰ NH_3 غ H_2S ڎ ᴇ ↕ HJ2.2 2018

D D.1 ‰ ᴍ

ᴧ 500m ܚܡ ῤ ἴ ܝܼ O ᴍ ѡ ᴍ

‰ GB3095-2012 ‰

ῃ ܝܼ ܐܼ ΰ ≈

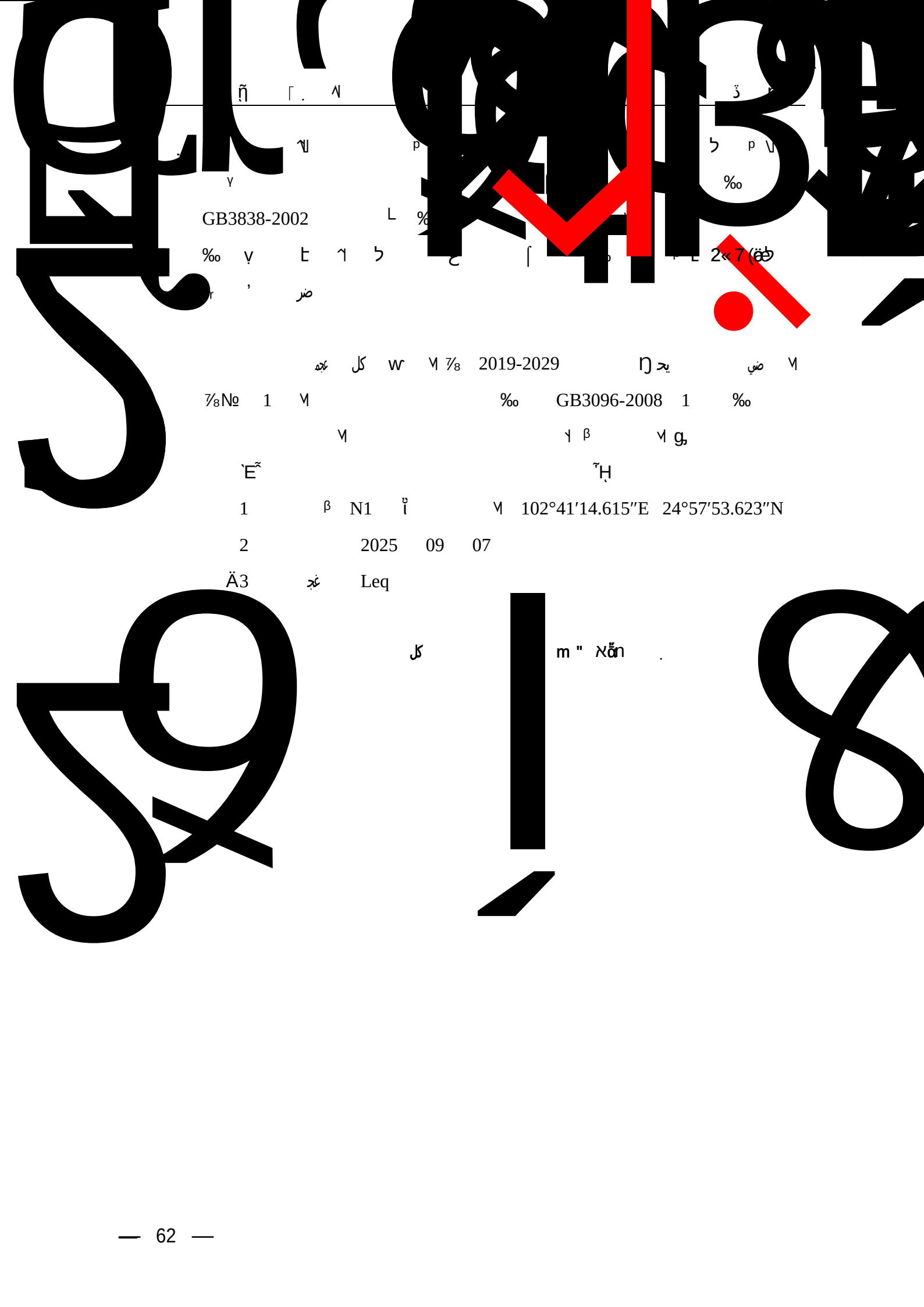
https://air.cnemc.cn:18007/ 2025 09 05 09 07 ΰ .

. m ʅ ɋ

1.2km

2011-2030

7.9km 2 .



GB3838-2002

2019-2029

GB3096-2008 1

1 N1

102°41′14.615″E 24°57′53.623″N

2025 09 07

Leq

ضر ꟿ 500m ꜿ ṗ ضر غ

ضر

ضي ꟿ ꟾ ṗ ضر Ḡ

Ḡ 3-7 Ḡ № ﷽ ﷽ 5

ꞎ Ḡ

Ḡ ≢	°	°	m	β	m	Ḡ ĩ	Ḡ ≢
ĩ	102.686097	24.966033	1888	N	40	1200	‰ GB3096-2008 1 ‰ Ḝ
ĩ	102.686097	24.966033	1888	W N	40	1200	
ꟿ ع٠	102.689895	3. ꜳ					

GB3095-2012

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	لج ≢	102.682964	24.964019	1885	W	180	60	
	ꟿ	102.68298626	24.96366965	1885	W	171	120	
	يج O ꟿ	102.68384457	24.95680255	1884	S	347		GB3095-2012 ‰ ‰
ضر		102.688457	24.961646	1887	E	20		ضر ‰ GB3838-2002 ‰
		102.685625	24.954740	1886	S	1200		
	يج O ꟿ	102.68384457	24.95680255	1884	S	347		

يج O ꟿ يج O ꟿ ꞅ ⅞

2011-2025 يج O ꟿ ꞵ ꟿ ꟿ

102°36'-102°48' . 24°40'-25°02' شم ضي ꟿ

ضم Ա№≢ عج Ŀ عج غ ꟿ ₒ ˊ

غ ꞅ ꞅ . ɣ ꟿ غ

ꟿ ʊ ɣ ʊ ɣ 1950

ɣ ꞵ 1887.4 U 100 ⅞ مخ ضر 355.16

`E ї 287.49 `E

ŋ يج ضر ї ₒ شخ ضي يج O ꟿ

غ Ḡ ꟿ مخ ṗ Ḡ ꟿ مخ 347m

يج Ḡ ꟿ يج Ḡ ꟿ ꞵ

2010 9 ' ‰ 1865.3 `E Ḡ

Simocyclocheilus grahami ї ꞅ Ḡ

Schizothorax grahami ꟿ ῢ ١ *Acrossocheilus yunnanensis* ꟿ

ῇ ⌈. ٨ ضد

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‰ GB16297-1996

‰ ‰ ṿ 3-8

‰

	ṿ mg/m^3
	1.0

كل ‰

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H$_2$S NH$_3$ ىػ ˄

‰ GB18918-2002 ΐ ὶ ḱ ˦ 4 ‰ ί r 3-11

ىػ ˄ ˄ ῌ ˦ β

˜	ىػ	‰
1		1.5
2	.	0.06
3		20
4	˄ ˅ r %	1

˄ ﻙ ‰

˄ ﻙ ০ ˄ ﻙ ‰

GB12348-2008 1 ‰ ‰ ṿ 3-11

০ ˄ ﻙ ‰ ˦ β

≢		
1	55	45

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Ŧ BOD COD NH$_3$-N TP ﺶ ṿ ىػ

˄ ṿ DB5301/T43-2020 A ‰ Ŧ

TN ﺶ ṿ ىػ ˄ ṿ DB5301/T43-2020

B ‰ ὶ φ Ŧ ىػ ˄ ‰

GB18918-2002 A ‰

Ŧ ˦ β ὶ φ

˜		ىػ ˄ ‰	ىػ ˄ ṿ	
		‰	‰	‰
1	. COD	50	20	
2	. BOD$_5$	10	4	
3	SS	10	/	
4	˩	1	/	
5		1	/	
6	˥	0.5	/	
7	ɣ N	15	5(10	10(15
8	ɣ N	5(8	1.0(1.5	

9	ɣ P	0.5	0.05
10	Ồ	30	/
11	pH		/

	TP 5.475t/a TN 1095t/a 10950 m³/a COD 1170.555t/a 14.235t/a 778.545t/a 3.285t/a 2 1825 m³/a COD 365t/a 18.25t/a TP 0.913t/a TN 182.5t/a 3 12775 m³/a COD 2555t/a 127.75t/a TP 6.388t/a TN 1277.5t/a 100%

1

2

3

4

5

	ĭ̋ عجٍ ῤ ٧ ٨ ضيحى نهِ r غ جيعمه جيعمه جيعمهٓ عجٍ № عجِ ≠ عجِ ≠ عجه ضر 2 جيعمه جيعمه ῤ ٦
ẗ غ Ḡ	' 4-1

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	قمم	٥			٥			/			
	ضر شم	102°41′16.402″E 24°57′43.599″N			102°41′16.358″E 24°57′47.337″N			/			
‰		4.9kg/h	0.33kg/h	2000	4.9kg/h	0.33kg/h	2000	1.5mg/m^3	0.06mg/m^3	20	1%

1

H_2S NH_3

BOD_5 DO

	Ữ ۼ U AOE U 15m DA002 AAO Ⱡ 1 DA001 ἳ ἳ 1#AOE U 15m DA001 21000m³/h ۂ Ḡ Ώ ۻ ᠰ ؤ ἳ ᷦ ἳ ἳ ۺ ᠰ U ἵ ἵ p ⌠ 5 m³/d ۼ ṿ ᾅ 2024 ᠰ β ة ṿ DA001 0.0042kg/h 1.48mg/m³ . 0.00017kg/h 0.06mg/m³ 2800m³/h ṿ 478 U DA001 0.0049kg/h 1.48mg/m³ . 0.0002kg/h 0.06mg/m³ 3300m³/h 558 DA001 ۼ . ᷦ ‰ GB14554-93 2 ‰ ṿ ṿ 4.9kg/h . ṿ 0.33kg/h ᵞ 2000 DA002 Ữ ۼ U

ﺿﻲ . ㅎ 2#AOE U 15m

DA002

0.27mg/m³ … GB18918-2002 … 1.5mg/m³ … 0.02mg/m³ … GB18918-2002 … 0.06mg/m³ … 20 …

3

2024 … 0.000969% … 0.00113%

	῀ . ۼ ₽ ą AOE . ῀ AOE . ῳ№ Ỳ ╕ ╲ ƀ └ ἳ / ≠ ῳ ἵ Ỳ ╕ ╲ . № № ἳ ᵞ 95% 5 m^3/d ᵴ DA001 ۼ DA002 ᵞ U ⌠ щ ῀ ⋈ ڗ № ╠ № U DA001 ۼ DA002 ɣ ἵ ⋈ ۺ ۑ O ⋈ β ⋈ ⋈ ʊ β ⋈ ⋈ h ⋈ ⋈ 347m ῃ ┌. ⋈ ⋈ ⋈ ⌠ ڗ ـل ⋈ з ῃ ┌. ⋈ ṗ . ⋈ ⋈ ṗ ῀ ₽ ┌. № ۑ O ⋈ ڗ ڗ № ⋈ ῀ ⌠ ‰ GB3095-2012 ‰ ṿ ۑ O ⋈ ῀ ⌠ ‰ GB3095-2012 ‰ ṿ ⋈ Ḡ ـل ⋈ ۼ ⋈ ʊ ۑ O ⋈ r ⋈ ۼ ⋈ №≢ U AOE U ἳ φ № Ŀ № ۼ ۺ ـل ۼ Ḡ ڗ ⅞ ʏ β ⋈ ↕ HJ819-2017 ʏ β

HJ 1083-2020

HJ 1120-2020

4-3

DA001 1

GB14554-93 2

DA002

	U ╝ ⁝ COD7115.4925t/a 300.03t/a 248.2t/a 156.585t/a ﺿﺮ ﺫ ἱ r ﺿﺮ E ﻛﻞ ﻛﻞ ﻛﻞ ﻛﻞ ﻛﻞ 70 90dB A ﺫ E ↕ HJ24-2021 ῃ ＾ ﻛﻞ ṿ ﻏﺠ ἱ r ' 4-6

كل ïٌ ˥ ᵝ

O	O	˧ dB A	∟	ᵝ /m X	Y	Z	ṗ m	ṗ dB A		˜ A	dB ˧ dB A	كل m
	1#	85		93.08	499.55	0	2	85	ɳ	20	65	28
	2#	85		89.61	504.91	0	2	85	ɳ	20	65	28
	3#	85		92.13	504.91	0	3	85	ɳ	20	65	27
ïٌ	4#	85	⁝ كل ضر	89.61	502.07	0	3	85	ɳ	20	65	27
	5#	85		92.77	502.07	0	1	85	ɳ	20	65	26
	6#	85		89.92	499.55	0	1	85	ɳ	20	65	26
	7#	85		89.3	497.46	0	2	85	ɳ	20	65	25
	8#	85		93.11	497.14	0	2	85	ɳ	20	65	25
	1#	85		102.15	437.19	0	8	85	ɳ	20	65	24
ïٌ	2#	85	ضر	102.23	433.42	0	6	85	ɳ	20	65	24
	3#	85		115.58	437.87	0	6	85	ɳ	20	65	23
	4#	85		115.95	433.79	0	25		ɳ		65	23

	2#	85	131.1	415.84	0	8	85		20	65	29
	3#	85	130.82	407.11	0	8	85		20	65	30
	4#	85	130.67	402.13	0	7	85		20	65	30
	1#	80	153.77	408.3	0	7	80		20	60	31
	2#	80	153.77	404.85	0	6	80		20	60	30
	1#	80	145.09	401.54	0	6	80		20	60	28
	2#	80	149.42	401.54	0	6	80		20	60	28

ŋ̃ ʮ	ĩ̈	ρ̇ ϫ	5#	75	63.71	212.32	0	11	70	ŋ̩	20	50	33
ŋ̃ ʮ	ĩ̈	ρ̇ ϫ	6#	75	52.24	214.97	0	11	70	ŋ̩	20	50	33
ʮ	ĩ̈	ϫ	1#	75	140.35	197.15	0	14	70	ŋ̩	20	50	183
ʮ	ĩ̈	ϫ	2#	75	128.37	195.82	0	14	70	ŋ̩	20	50	183
ʮ	ĩ̈	ϫ	3#	75	138.58	203.81	0	12	70	ŋ̩	20	50	184
ʮ	ĩ̈	ϫ	4#	75	128.81	206.47	0	12	70	ŋ̩	20	50	184
ʮ	ĩ̈	ϫ	5#	75	110.62	195.37	0	11	70	ŋ̩	20	50	185
ʮ	ĩ̈	ϫ	6#	75	98.2	194.49	0	11	70	ŋ̩	20	50	185
ʮ	ĩ̈	ϫ	7#	75	110.18	204.69	0	12	70	ŋ̩	20	50	187
ʮ	ĩ̈	ϫ	8#	75	98.64	206.02	0	12	70	ŋ̩	20	50	187
ŋ̃ ʮ	ĩ̈	ϫ	1#	75	38.02	194.31	0	13	70	ŋ̩	20	50	185
ŋ̃ ʮ	ĩ̈	ϫ	2#	75	25.97	195.2	0	13	70	ŋ̩	20	50	185
ŋ̃ ʮ	ĩ̈	ϫ	3#	75	39.36	204.57	0	10	70	ŋ̩	20	50	186
ŋ̃ ʮ	ĩ̈	ϫ	4#	75	25.17	204.47	0	10	70	ŋ̩	20	50	186
ŋ̃ ʮ	ĩ̈	ϫ	5#	75	37.3	214.79	0	12	70	ŋ̩	20	50	187
ʮ	ĩ̈	▼ φ	1#	75	61.14	279.17	0	12	70	ŋ̩	20	50	187
ʮ	ĩ̈	▼ φ	2#	75	170.28	278	0	13	70	ŋ̩	20	50	187
ʮ	ĩ̈	▼ φ	3#	75	60.68	270.49	0	13	70	ŋ̩	20	50	186
ʮ	ĩ̈	▼ φ	4#	75	200.09	278.9	0	14	70	ŋ̩	20	50	186
ʮ	ĩ̈	▼ φ	5#	75	34.17	276.89	0	14	70	ŋ̩	20	50	185

ʎ ĩ ▼ φ 6#	75		135.04	275.74	0	15	70	ŋ	20	50	185
ŋ̃ ʎ ĩ ▼ φ 1#	75		135.04	275.74	0	15	70	ŋ	20	50	186
ŋ̃ ʎ ĩ ▼ φ 2#	75		104.32	275.74	0	12	70	ŋ	20	50	186
ŋ̃ ʎ ĩ ▼ φ 3#	75		135.35	265.17	0	12	70	ŋ	20	50	185
˥ ˥ 1#	80		68.36	327.38	0	3	80	ŋ	20	60	29
˥ ˥ 2#	80		57.17	326.21	0	3	80	ŋ	20	60	30
˥ ˥ 3#	80		43.75	326.67	0	2	80	ŋ	20	60	31
˥ ˥ 4#	80		35.89	326.21	0	2	80	ŋ	20	60	32
˥ ˥ 5#	80	⁝	26.17	325.74	0	2	80	ŋ	20	60	33
D قمم 1#	85		70.97	432.99	0	3	85	ŋ	20	65	29
D قمم 2#	85	ضر	64.34	432.45	0	3	85	ŋ	20	65	30
D قمم ĩ ǁ 1#	75		58.57	431.43	0	2	75	ŋ	20	55	33
D قمم ĩ ǁ 2#	75		51.97	430.96	0	2	75	ŋ	20	55	35
عج 1#	75		73.1	460.25	0	2	75	ŋ	20	55	36
عج 2#	75		63.63	460.73	0	2	75	ŋ	20	55	36
1#	80		100.78	476.75	0	3	80	ŋ	20	60	80
2#	80	ضر	101.74	471.48	0	3	80	ŋ	20	60	80
3#	80		100.78	466.21	0	3	80	ŋ	20	<0 m	

		3#	85		238.17	250.96	0	6	85	ŋ	20	65	24
		4#	85		239.12	245.57	0	5	85	ŋ	20	65	23
		5#	85		239.44	233.53	0	6	85	ŋ	20	65	23
		6#	85		239.44	239.55	0	6	85	ŋ	20	65	22
		7#	85		238.81	229.42	0	6	85	ŋ	20	65	22
		1#	85		105.39	407.73	3	3	85	ŋ	20	65	68
		2#	85		107.92	407.87	3	3	85	ŋ	20	65	70
		3#	85		110.49	407.45	3	3	85	ŋ	20	65	72
		4#	85		113.48	406.16	3	3	85	ŋ	20	65	74
		5#	85		116.47	406.59	3	4	85	ŋ	20	65	76
		1#	80		104.42	404.7	3	4	80	ŋ	20	60	68
		2#	80		107.45	403.83	3	4	80	ŋ	20	60	70
		3#	80		111.34	401.67	3	4	80	ŋ	20	60	72
		4#	80	⁝	113.5	402.54	3	4	80	ŋ	20	60	74
		5#	80		117.4	401.24	3	2	80	ŋ	20	60	76
		ɣ 1#	75		104.34	410.21	3	2	75	ŋ	20	55	68
		ɣ 2#	75		106.68	410.11	3	2	75	ŋ	20	55	70
		ɣ 3#	75		109	409.76	3	2	75	ŋ	20	55	72
		ɣ 4#	75		111.85	409.76	3	2	75	ŋ	20	55	74
		ɣ 5#	75		115.76	409.22	3	2	75	ŋ	20	55	76
		‖	75		102.94	408.02	3	3	75	ŋ	20	55	76
		1#	80		104.76	412.82	3	3	80	ŋ	20	60	68
		2#	80		106.75	412.64	3	3	80	ŋ	20	60	70

		3#	80		109.29	412.82	3	3	80	ŋ	20	60	72
		4#	80		112.01	411.91	3	3	80	ŋ	20	60	74
		5#	80		114.72	411.55	3	3	80	ŋ	20	60	76
ꝟ	ꝟ	1#	75	⁝	64.92	384.63	0	2	75	ŋ	20	55	39
	ꝟ	2#	75		59.34	385.19	0	2	75	ŋ	20	55	44

0

كل / E ↕

HJ2.4-2021 A ⁝ غ B

“ B.1 كل ”

D ⁝

ضي Ỗ ˥

$$L_{\mathrm{oct}}(\mathrm{r}) = L_{\mathrm{oct}}(\mathrm{r}_0) - 20\lg(\mathrm{r}/\mathrm{r}_0) - \Delta L_{oct}$$

L_{oct} r —— ضي Ỗ ˥

L_{oct} r_0 —— ᾅ β r_0 Ỗ ˥

r—— m

r_0—— ᾅ β m

ΔL_{oct}—— ضر ⁝ ΄ ꝑ

ضر ⁝ ἳ

غ ڐ
Ḡ

$L_{oct\ 2}$ T غ ₮

i Ồ ʬ $L_{w\ oct}$

$$L_{woct} = L_{oct\ 2}(T) + 10\lg S$$

ῆ	⌈ .	ꟿ		ẗ	ɚ
-2.39	534.90		U	كل	ṿ

GB12348-2008

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‰ GB3096-2008 1

ۿ ≢ SW90 ۼ ˥ 462-001-S90

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ἳ ˦ ą ἳ ˊ

				ضر نه	U ٧ ṗ
≠ غ h	٧	٧	Ḡ Ė ٲ β	U ڤ ج عج	٧ ضر Ḡ Ė
Ⱡ	1 /	1 /	٨ ٨	1 /	1 /
	100%	100%	100%	100%	٧ ٧ ضر آ ٧ ₮ Ạ Ώ ٲ

نه ذ №

نه شخ ⌠ 100% Ψ Ⱡ ذ

نه ٲ β نه r غ

فمي L ‰ GB18599-2020 № نه

GB7665-2001 GB18597-2023

a.

b.

PAM PAC

		CAS	t	t	
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HJ169-2018

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$$Q = \frac{q_1}{Q_1} + \frac{q_2}{Q_2} + \dots \frac{q_n}{Q_n}$$

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			t/a	t/a	t/a	t/a	t/a +/-
			0.071	0.012	0	0.083	+0.012
			0.0029	0.0005	0	0.0034	+0.00048
		COD	2190	365	0	2555	+365
		NH_3-N	109.5	18.25	0	127.75	+18.25
		TN	1095	182.5	0	1277.5	+182.5
		TP	5.475	0.9125	0	6.3875	+0.9125
			10.95	0	0	10.95	0
			210	35	0	245	+35
			821	137	0	958	+137
			19	3	0	22	+3
			18250	3040	0	21290	+3040
			0.5	0	0	0.5	0
			0.15	0.02	0	0.17	+0.02
			1	0	0	1	0

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	t/a	0.071	/	/	0.012	0	0.083	+0.012
.	t/a	0.0029	/	/	0.0005	0	0.0034	+0.000 48
	t/a							

18250	/	/	3040	0	21290	+3040

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