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3 m³/d

2.4 m³/d

0.6 m³/d

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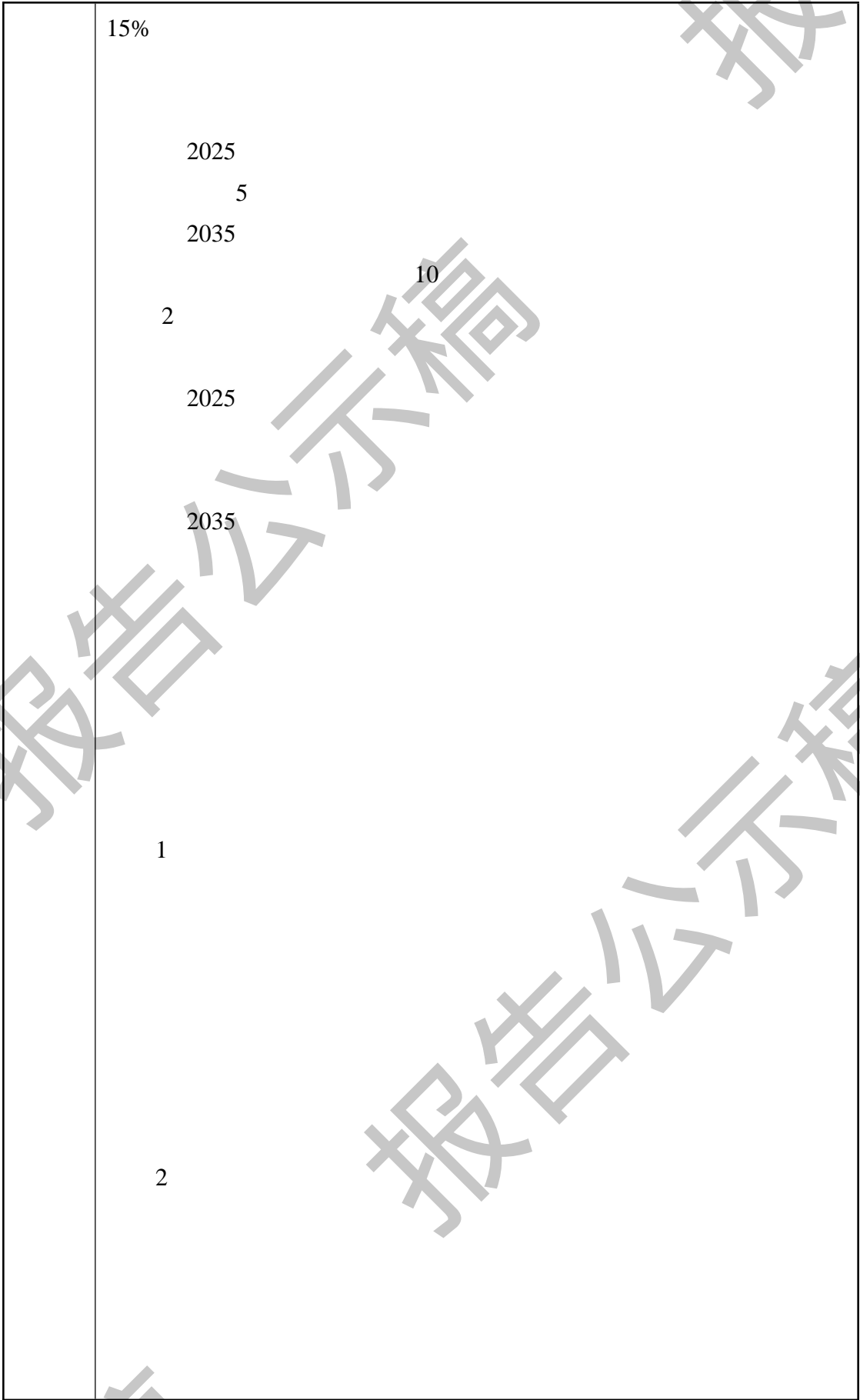
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| | | 8 | | 149.3206 | 2.87 |
| | | 5.5 | 500 | 135.6696 | 5.52 |

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5.52km

1.63km

2.87km

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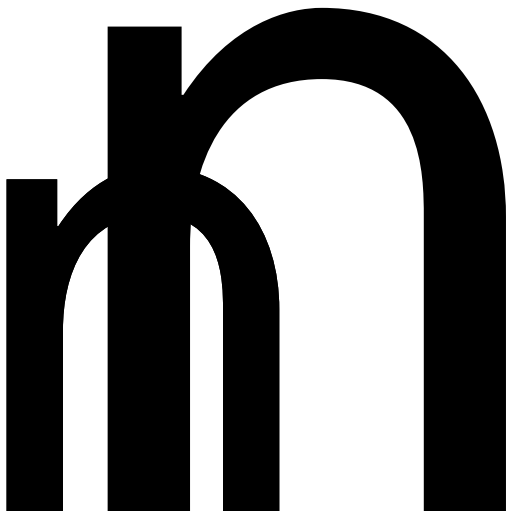
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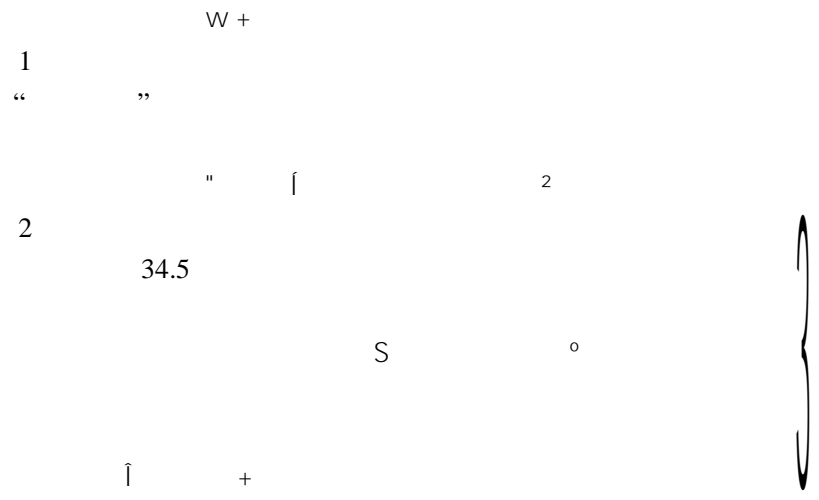
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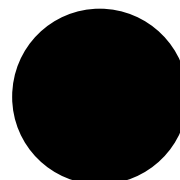
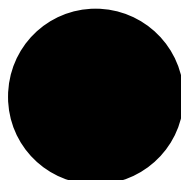
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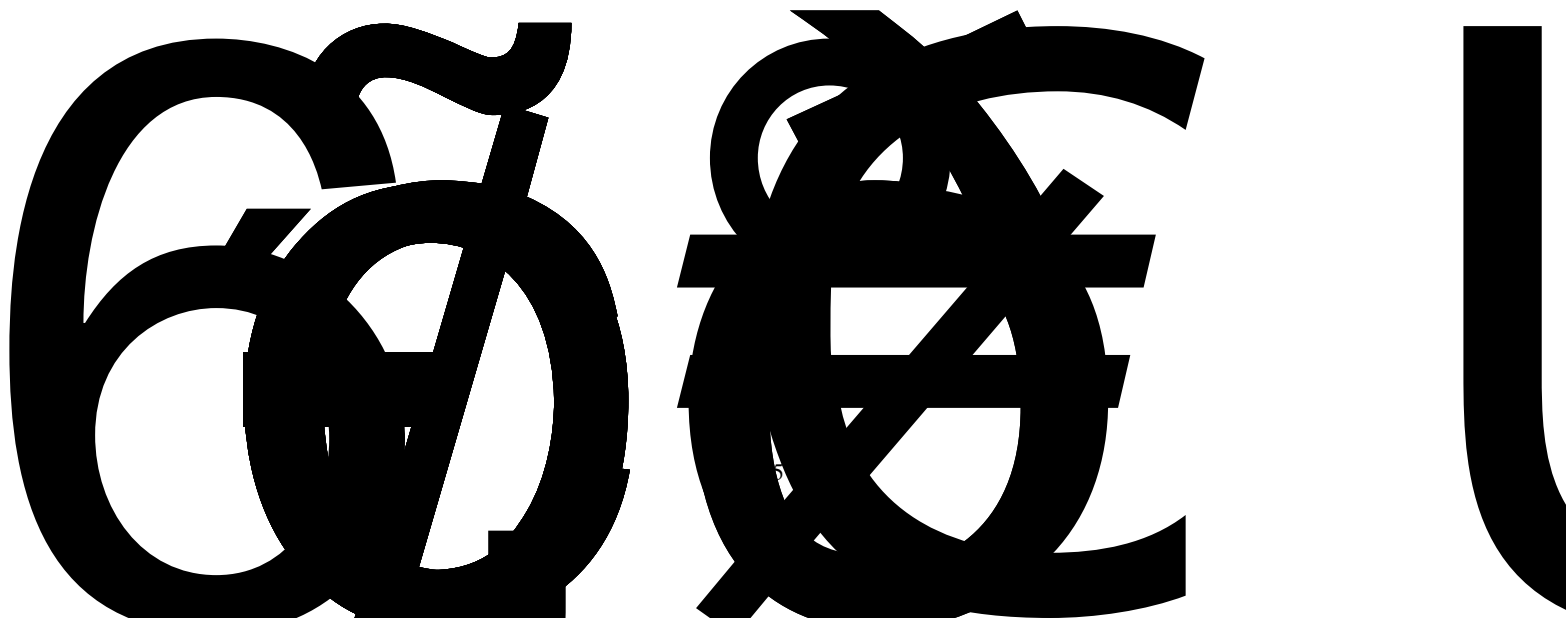
| | | | | | |
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| | | 2012 | 221 | | |
| | 604 | | | 2021 | 9 29 |
| | | | | 604 | |
| | | | | 2021 | 9 29 |
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| | | <p>HJ942-2018</p> <p>HJ819-</p> <p>2017</p> <p>HJ 1207-</p> <p>2021</p> <p>HJ848-2017</p> <p>\$ 2022</p> <p>2022 5</p> |

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VOCs

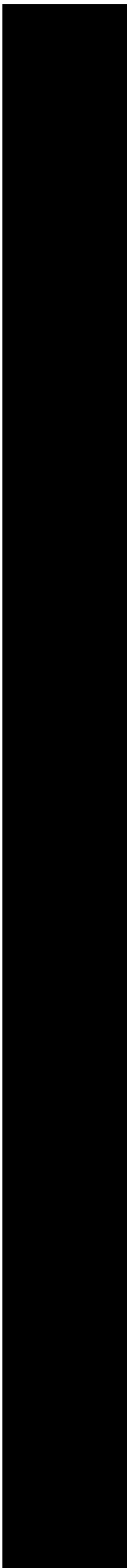
VOCs

0.3m/s

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| | | 0.5% | |
| | | 5 | |
| | | VOCs | |
| | " " | VOCs | " " |
| | | | VOCs |
| | | | 800mg/g |
| | 800mg/g | | RTO |
| | BET | 650mg/g | |
| | | 1100m 2/g | |

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HJ 1207-2021

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HJ848-2017

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| GB 33372-2020 | |
| VOCs | |

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GB19340



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| | 2 | 2017 | 278 | |
| | 2022 | 70 | | |
| | 1-13 | | 2022 | 70 |
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| | C2922 | C3029 |
| | | 2023 |

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| | | | | 2021 | 07 | | 2021 |
| | | 2022 | 3 | 14 | | | |
| | | 2022 | 82 | 0034 | | | |
| 2 | 5400 | | | 50 | 2023 | 10 | 23 |
| | | | | | | | 2023 |
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| | 67192 | 35 | | | | | |

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JC/T984-
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/ /

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mm

GB18173.1-
2012

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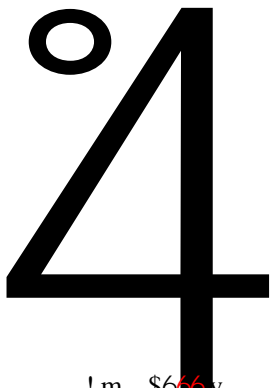
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2017

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| | | 27 | |

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| 19038.25m ² | 19038.2 |
| / | 1000 |
| | 1000 |

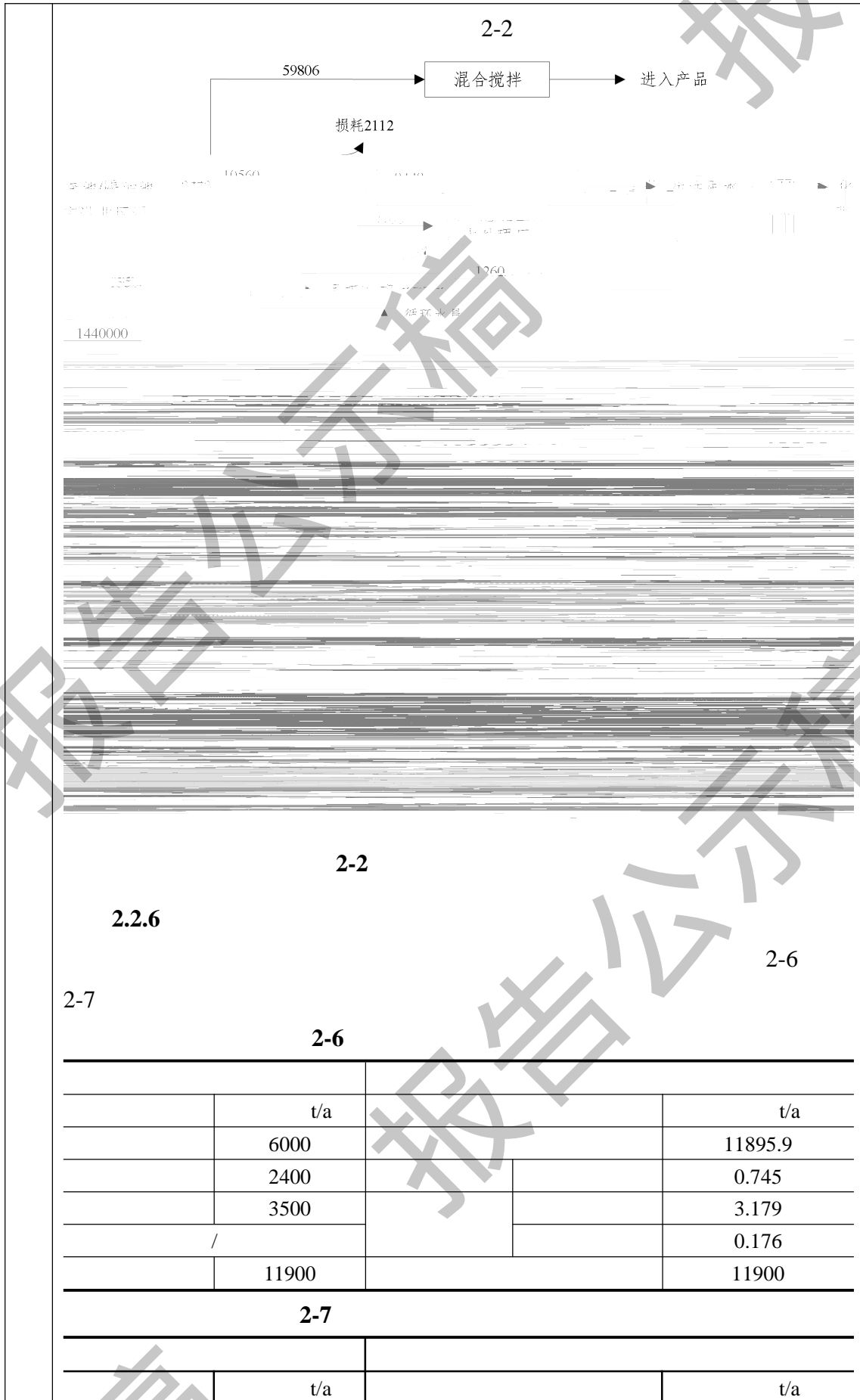
7631.36m² 4
" M 1/2

| | | | | | | |
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| | | | 400m³/h | | 400m³/h | |
| | | | | | 1 | |
| | | | | | 200m³/h | |
| | | | / | DA012 18m | DA012 18m | |
| | | | / | DA013 28.7m | DA013 28.7m | |
| | | | / | DA014 18m | DA014 18m | |
| | | | / | DA015 18m | DA015 18m | |
| | | | DA006 28.7m | / | DA006 28.7m | |
| | | | 1 +2 +2 +2 RTO | / | 1 +2 +2 +2 RTO | |

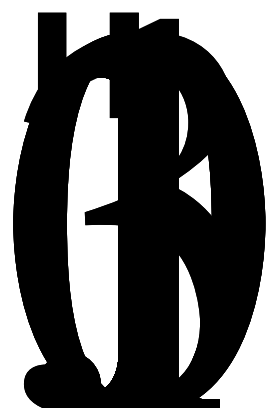
| | | | | | | |
|--|--|--|---|---|---|--|
| | | | DA001 30m DA002 30m | | DA001 30m DA002 30m | |
| | | | DA008 28.7m | / | DA008 28.7m | |
| | | | 2 + +RTO DA009 30m DA0010 30m | / | 2 + +RTO DA009 30m DA0010 30m | |
| | | | DA003 27m | | DA003 27m | |
| | | | DA004 30m | / | DA004 30m | |
| | | | DA005 30m | | DA005 30m | |

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| 50000 | 270000 |
| 30000 | 0.383 |
| 50000 | 2.866 |
| 60000 | 3.132 |



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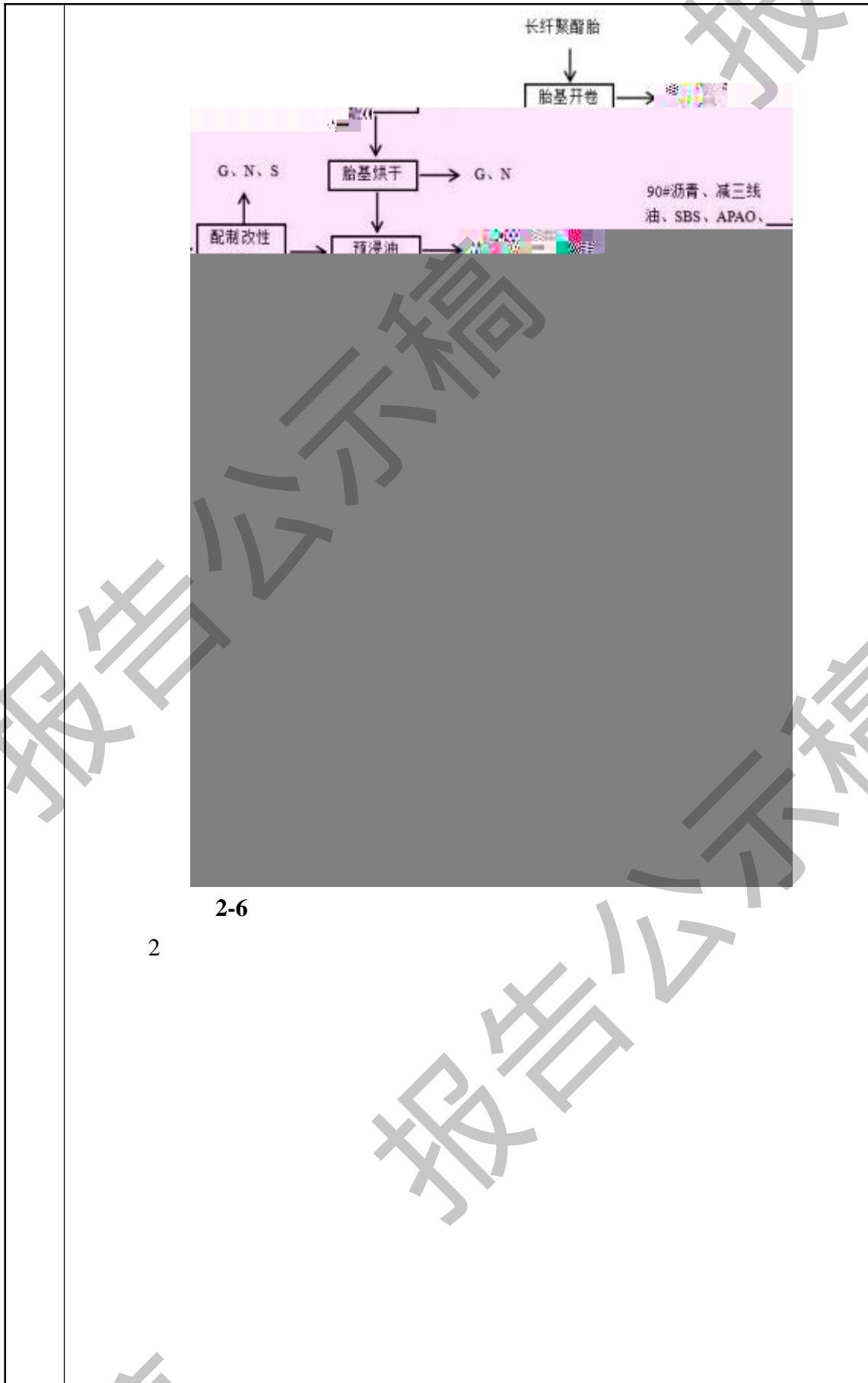
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| | | 5400 / | 5400 / | 7200 | |
| | | 2000 / | 2000 / | 7200 | |

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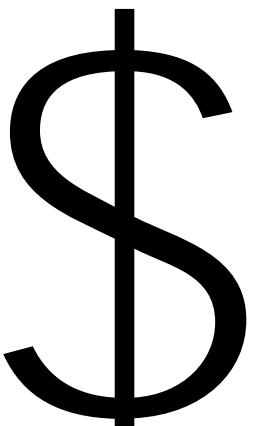
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| 2.4.3 | | | | |
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| [a] | | | | |
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| 2-12 | | | | |
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| | | | [a] | |
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| | | | | +2 |
| DA001 | | | | +2 |
| DA002 | | | SO ₂ | |
| | | | NO _x | +2 RTO |
| | | | | |
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DA006

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DA003

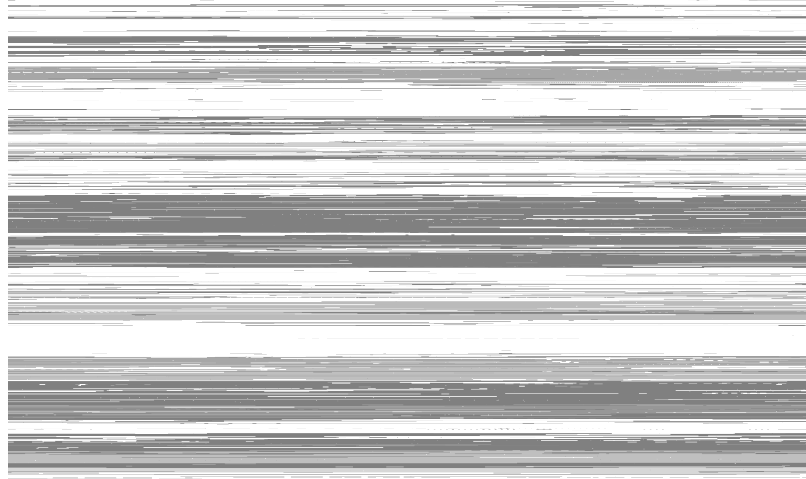
DA004
DA005



生产废水、初期雨水



雨水收集池



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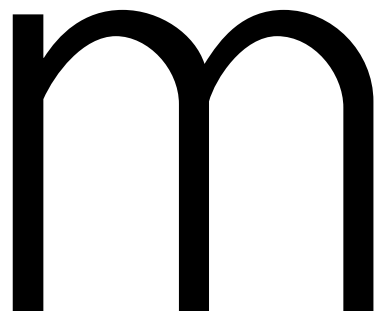
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|---|------|------------|-------|
| 3 | HW08 | 900-249-08 | 0.3 |
| 4 | HW08 | 900-249-08 | 8.12 |
| 5 | HW08 | 900-210-08 | 1 |
| 6 | HW49 | 900-041-49 | 31.12 |
| 7 | HW08 | 900-249-08 | 9.6 |



| | | | | | |
|-----|----|------------------|------------------|-----|------|
| | 46 | 17 | 0.30 | | |
| | 9 | | | | |
| | 17 | ND | | 0.0 | 0.00 |
| | 38 | 2* | 3.5* | 00 | 000 |
| [a] | 4 | 10 ⁻⁵ | 10 ⁻⁷ | 3 | 9 |
| | | ND | | 20 | / |
| | | 3 | 0.05 | 0 | |
| | 17 | | 3 | | |
| | 71 | | | | |
| | 1 | | | 20 | / |
| | | 6.75 | 0.12 | 0 | |
| | 20 | | | | |
| | 17 | 1.3 | 0.02 | 20 | 1 |
| | 0 | | 5 | | |
| | 19 | ND | | | |
| | 37 | 17 | 0.33 | 20 | 0.11 |
| | 5 | | | | |

2024
.03.2 DA
3 002

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|--|--|-----|----------------------------|--------------------------|----------------|-------------------|---|
| | | | 49 | 0.28 | | 50 | / |
| | | | 1.5 | 9.0* 10 ⁻³ | | 10 | / |
| ND VOCs DA007 2-15 DA001 DA002 | | | | | | | |
| | | | mg/m ₃ | | | mg/m ₃ | |
| | | | 16 | | GB14554-93 | 20 | |
| | | | ND 0.168 | | | 0.5 | |
| | | | 0.68 | | | 4 | |
| 2024. 03.23 | | | ND 1.4*10 ⁻⁷ | | DB32/4041-2021 | 0.00000 8 | |
| | | [a] | 0.56 | | | 6 | |
| ND DA001 DA002 DA006 DB32/4041-2021 DA003 DA004 DA005 DB32/4149-2021 DA007 DB32/4385-2022 [a] DB32/4041-2021 GB14554-93 | | | | | | | |

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5

A dB dB A

| | | | |
|--|----|--------|---|
| | SS | 1.690 | 0 |
| | | 0.296 | 0 |
| | | 0.0338 | 0 |
| | | 0.507 | 0 |
| | | 0 | 0 |
| | | 0 | 0 |
| | | 0 | 0 |

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| 17 | 5 | 2022 3 2022 4 5 2023 10 23 |

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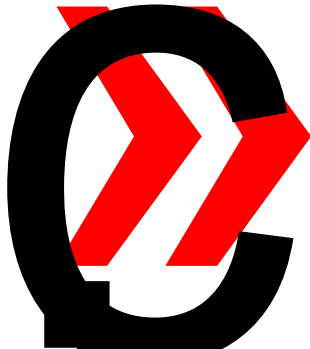
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2000

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2024 DA003
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3.1.1

1996 133

GB3095-2012
2024

2024

2024

135

180 86.1% 3.6%
4.10 1.9%
12.1%

3-1 2024

| | | | $\mu\text{g}/\text{m}^3$ | $\mu\text{g}/\text{m}^3$ | % |
|-------------------|------|---|--------------------------|--------------------------|-----|
| SO ₂ | 98 | | 8 | 60 | 14 |
| | | | 14 | 150 | 9 |
| NO ₂ | 98 | | 26 | 40 | 65 |
| | | | 69 | 80 | 86 |
| PM ₁₀ | 95 | | 48 | 70 | 69 |
| | | | 111 | 150 | 74 |
| PM _{2.5} | 95 | U | 30 | 35 | 86 |
| | | | 83 | 75 | 911 |
| CO | | | | | |
| mg | O m# | m | \$ | 1 | |

" " 2027
 28 / 2035 26 /

2024 £ 10 4.3km 2024 9 4

3-2

| | | /m | | | ug/m ³) | ug/m ³) | % | |
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| | | UTM | | | | | | |
| | | X | Y | | | | | |
| | | 548758 | 354002 2 | | 2000 | 290~63 0 | 31.5 | 0 |

3-3

| | | | pH | COD _{Cr} mg/L | BOD ₅ mg/L | mg/L | mg/L | mg/L |
|--|--|--|---------|---------------------------|--------------------------|------|------|-------|
| | | | 7.5 | 6.1 | 0.9 | 0.06 | 1.61 | 0.005 |
| | | | 8.4 | 13.6 | 2.4 | 0.76 | 4.82 | 0.02 |
| | | | 7.5~8.4 | 10.0 | 1.5 | 0.28 | 2.7 | 0.01 |
| | | | 0 | 0 | 0 | 0 | / | 0 |
| | | | ^ | / | / | ^ | / | /// |

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2023.11.21~2023.11.23

W1

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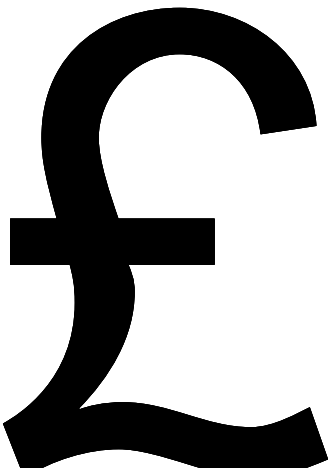
500m

W2

500m

3-4

3-4



| | | | | | | | | |
|--|----|--|---|---|---|---|---|---|
| | W2 | | 0 | 0 | 0 | 0 | 0 | 0 |
|--|----|--|---|---|---|---|---|---|

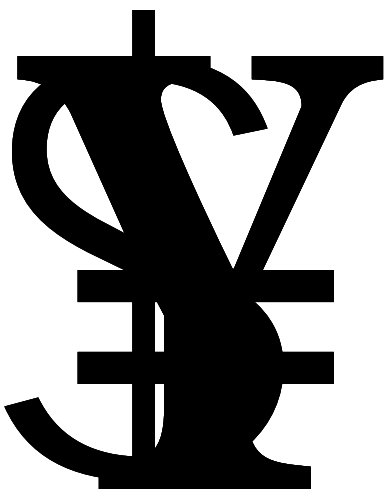
3-4

GB 3838-2002 III

3.1.3

50m

3.1.4



3-6

mg/Nm³ kg/h

mg/

*

| | | | | | | | | | |
|--|------|--------|----------|--------|-------|--------|---|----------------|---------|
| | | 0.476 | 0.156 | 0 | 0 | 0 | 0 | 0.632 | 0 |
| | | 1.3 | 0.091 | 1.440 | 0 | 1.440 | 0 | 2.831 | +1.440 |
| | [a] | 1E-06 | 5.06E-07 | 0 | 0 | 0 | 0 | 1.5055 E-06 | 0 |
| | VOCs | 1.207 | 0.509 | 0.427 | 0 | 0.427 | 0 | 2.143 | +0.427 |
| | | 8448 | 0 | 1260 | 0 | 1260 | 0 | 9708 | +1260 |
| | COD | 3.379 | 0 | 0.0504 | 0 | 0.0504 | 0 | 3.4294 | +0.0504 |
| | SS | 1.690 | 0 | 0.0504 | 0 | 0.0504 | 0 | 1.7404 | +0.0504 |
| | | 0.296 | 0 | 0 | 0 | 0 | 0 | 0.296 | 0 |
| | | 0.0338 | 0 | 0 | 0 | 0 | 0 | 0.0338 | 0 |
| | | 0.507 | 0 | 0 | 0 | 0 | 0 | 0.507 | 0 |
| | | 0.507 | 0 | 0 | 0 | 0 | 0 | 0.507 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 5.8 | 5.8 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 67.21 | 67.21 | 0 | 0 | 0 | 0 |
| | | | | | | | | | |

VOCs

VOCs

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4.2.1

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G1

G2

G3

G4

G5

G6

G7

G8

G9

G1

G2

500

HDPE

500

TPO

2017 7

85%-85.7%

18.97-22.27mg/m³

6483m³/h

0.144kg/h

4800h

85%

500

HDPE

0.957t/a

1000

HDPE

1.914t/a

"

"

DA012

90%

90%

G3

500

HDPE

500

TPO

2017 7

85%-85.7%

21.83-27.35mg/m³

6501m³/h

Ñ

90%
G4

90%

1

5

5

AP-42

1t

0.23kg

28.7m

DA013

99%

99%

4-1

| | t/a | t/h | h | | kg/h | t/a | | kg/h | t/a |
|---|-------|-----|------|--|------|------|-----|-------|-------|
| | 50000 | 20 | 2500 | | 4.6 | 11.5 | | 0.046 | 0.114 |
| | 30000 | 20 | 1500 | | 4.6 | 6.9 | | 0.046 | 0.068 |
| | 50000 | 20 | 2500 | | 4.6 | 11.5 | | 0.046 | 0.114 |
| 1 | 30000 | 20 | 1500 | | 4.6 | 6.9 | 99% | 0.046 | 0.068 |
| 1 | 30000 | 20 | 1500 | | 4.6 | 6.9 | 99% | 0.046 | 0.068 |
| | / | / | / | | 23 | 43.7 | | 0.023 | 0.433 |

G5

mž m ! mžm

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| | | | | | | | | |
|-----------|-------|---------|-------|-----------|-----|------------|-------|-----|
| | | | | 0.005kg/t | | | | |
| | | | | | | 190000t | | |
| | | 0.95t/a | | | " | | " | |
| 18m | DA014 | | | 99% | | | | 99% |
| | | | G7 | | | G8 | | |
| G9 | | | | | | | | |
| | | | | | VAE | | | |
| | | | | | | 0.174kg/t- | | |
| | | | | | | 20200t | | |
| 3.5148t/a | | | | | | | | |
| | " | | " | | 18m | DA015 | | |
| | | 99% | | | | 90% | | |
| | | | | | | " | " | |
| | 1 | 18m | DA012 | | | | | |
| | | 28.7m | DA013 | | | | | |
| | " | | " | | | | | |
| | | | | | 1 | 18m | DA014 | |
| | | | | | | | | |

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| | | | | | | | |
|--|--|-------------|--|--------|-----|-------|-------|
| | | | | | | | |
| | | G7 G8 G9 | | 3.5148 | 99% | 3.480 | 0.035 |
| | | | | | | | |

4-3

| | | | t/a | kg/h | mg/m ³ | | | | % | m ³ /h | t/a | kg/h | mg/m ³ | mg/m ³ | kg/h | | |
|--|--|--|--------|--------|-------------------|--|--|-----|-------|-------------------|-------|-------|-------------------|-------------------|------|---------------------------|-------|
| | | | 3.532 | 0.491 | 61.319 | | | 90% | 8000 | 0.353 | 0.049 | 6.132 | 60 | 3 | | H=18m T=25 D=0.55m | DA012 |
| | | | 43.263 | 6.009 | 400.583 | | | 99% | 15000 | 0.433 | 0.060 | 4.006 | 10 | / | | H=28.7m T=25 D=0.6m | DA013 |
| | | | 99.317 | 13.794 | 689.701 | | | 99% | 20000 | 0.993 | 0.138 | 6.897 | 10 | / | | H=18m T=25 D=0.7m | DA014 |
| | | | 3.480 | 0.483 | 80.556 | | | 90% | 6000 | 0.348 | 0.048 | 8.056 | 60 | 3 | | H=18m T=25 D=0.4m | DA015 |

4-4

| t/a | kg/h | m ² | m |
|-------|-------|----------------|----|
| 0.392 | 0.054 | 19038.25 | 5 |
| 0.437 | 0.23 | 180 | 28 |

| | | | | | | |
|-------------|--|--|--|---------------------|--------|-----------|
| 1 | | | | | 4 | 0.392 |
| 2 | | | | DB32/4041- 2021 | 0.5 | 0.437 |
| 3 | | | | DB32/4149- 2021 | 0.5 | 1.003 |
| | | | | | 4 | 0.035 |
| | | | | | | 0.427 |
| | | | | | | 1.440 |
| 4-7 | | | | | | |
| | | | | | / t/a | |
| 1 | | | | | 1.128 | |
| 2 | | | | | 2.866 | |
| 2 | | | | | | |
| 0% | | | | | | |
| 0.1 / 30min | | | | | | |
| 4-8 | | | | | | |
| | | | | / mg/m ³ | / kg/h | / /h |
| DA012 | | | | 61.319 | 0.491 | 0.5 / 0.1 |
| DA013 | | | | 400.583 | 6.009 | |
| DA014 | | | | 689.701 | 13.794 | |
| DA015 | | | | 80.556 | 0.483 | |

1

2

F

4-9

| | | | |
|---|-------------------|----------------|----------------|
| 1 | mm | 2000*2000*2900 | 2000*1500*1100 |
| 2 | m ² | 9.72 | 1.25 |
| 3 | m ² /g | 750 | 750 |
| 4 | / | | |
| 5 | mg/g | 800 | 800 |
| 6 | kg/m ³ | 500 | 500 |
| 7 | t/ | 3.89 | 0.5 |

3.179t/a

7.78t

3.132t/a

7.78

2021 218

$$T = m \times s \div (c \times 10^{-6} \times Q \times t)$$

T—

m— kg

s— %

c— VOCs mg/m³

Q— m³/h

t— h/d

4-10

| | | | | |
|--|--|------|--|--|
| | | VOCs | | |
|--|--|------|--|--|

| | kg | | mg/m ³ | m ³ /h | h/d | d |
|-------------|-------|-------|-------------------|-------------------|-----|-----|
| | 7780 | 10% | 55.188 | 8000 | 24 | 73 |
| | 1000 | 10% | 72.5 | 6000 | 24 | 10 |
| 73d | 4 | | 31t | | 3t | |
| | 34t | | | | | 10d |
| | 10 | | 30t | | 3t | |
| | 33t | | | | | |
| HJ1122-2020 | | | | | | |
| HJ1116-2020 | VOCs | | | | | |
| | | | | DB32/4041-2021 | | |
| | | | GB31572-2015 | | | |
| 1 | | | | | | |
| | 28.7m | DA013 | | | | |

2023 9 16 17 DA006

89%~90%

DB32/4149-2021

2

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18m DA014

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HJ1116-2020

/

DB32/4149-2021

30

87

4-11

4-11

| | | | |
|--|--------|----------|----|
| | | | |
| | 30 kwh | 0.8 /kwh | 24 |
| | 62 | 7000 /t | 43 |
| | 67 | 3000 /t | 20 |
| | / | / | 87 |

4

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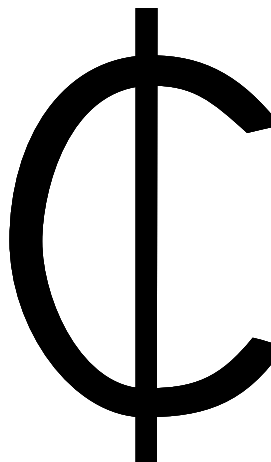
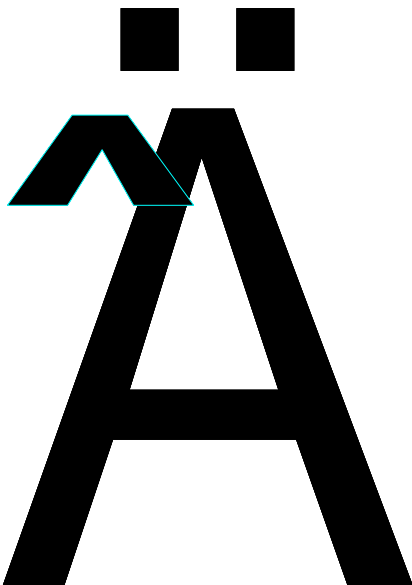
PM10

GBT39499-2020 “

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100 ^

6



4.2.2

1

W1

1

200t/h

5

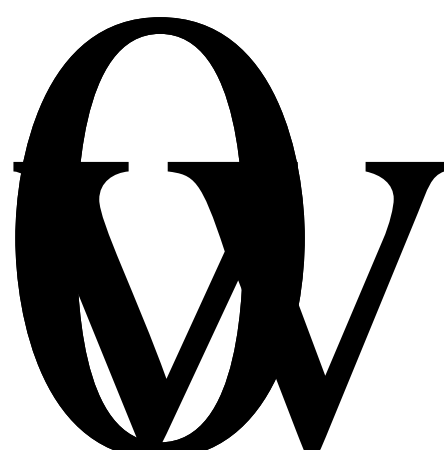
(GBT50102-2014)

$$Q_e = K_{ZF} \cdot \Delta t \cdot Q$$

$$Q_w = \frac{P_w \cdot Q}{100}$$



| | | | | |
|------|-----|---|--------|---|
| Qe—— | KZF | 5 | 0.0015 | t |
| Qw—— | Pw | | 0.1 | |
| Qb—— | N | 5 | | |
| Qm—— | | | | |
| Q—— | | | | |



| | t/a | mg/L | t/a | | mg/L | t/a | mg/L |
|------|-----|------|---------|---|------|-----|--------|
| | | | | | | | |
| 1260 | COD | 40 | 0.0504 | / | COD | 40 | 0.0504 |
| | SS | 40 | 0.0504 | | SS | 40 | 0.0504 |
| 6 | COD | 500 | 0.003 | + | | | |
| | SS | 200 | 0.0012 | | | | |
| | | 60 | 0.00036 | | | | |
| | | | | | | | |

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|---------|--------|------------|------|
| 1260t/a | 4.2t/d | | 6t/a |
| 0.02t/d | | | d |
| 80t/d | | 21939.1t/a | |
| 73t/d | | | |

X

| | pH | COD | SS | |
|------|-----------|------------|-----------|-----|
| mg/L | 7~8 | 1500 | 600 | 20 |
| | / | 70% | 90% | 90% |
| mg/L | 7~8 | 4 | | |



| | | | | |
|---|--|---------|---------|---------|
| | | | | |
| 1 | | 97309.2 | 22595.1 | 74720.1 |

3

8

6.0 m³/d

3.0 m³/d 2011 12 \$1

- \$

2012 6

204

2.5 t/d

Æ2/

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| | | | | |
|--|--|---|--------|-----|
| | | 1 | COD SS | 1 / |
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4-21 4-22

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4-23

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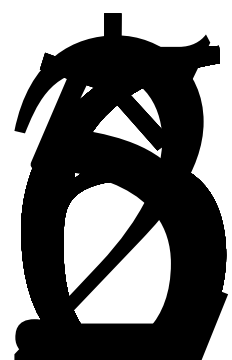
| | | | | | | | | | | | | |
|--|-----|---|----|--|-----|-----|---|----|----|--|----|----|
| | 180 | | | | | | | | | | | |
| | | 2 | 75 | | 371 | 323 | 1 | 40 | 43 | | 25 | 18 |
| | 130 | | | | | | | | | | | |
| | | 2 | 75 | | 401 | 316 | 1 | 40 | 43 | | 25 | 18 |
| | | 4 | 75 | | 428 | 309 | 1 | 30 | 45 | | 25 | 20 |
| | | 2 | 80 | | 421 | 311 | 1 | 35 | 49 | | 25 | 20 |
| | | 2 | 75 | | 345 | 339 | 1 | 5 | 61 | | 25 | 36 |
| | | 1 | 85 | | 380 | 298 | 1 | 50 | 49 | | 25 | 24 |
| | | 2 | 85 | | 249 | 320 | 1 | 20 | 59 | | 25 | 34 |
| | | 3 | 85 | | 260 | 317 | 1 | 30 | 55 | | 25 | 30 |
| | | 3 | 85 | | 269 | 315 | 1 | 30 | 55 | | 25 | 30 |
| | | 1 | 75 | | 255 | 358 | 1 | 15 | 51 | | 25 | 26 |

5 75 164 416 1 5 61 25 36

5 75 150 393 1 5 61 25 36

10 85 136 359 1 8 67 25 42

3 75 $\frac{1}{182}$



X Y Z /dB(A)

1

1

1kg/d 0.3t/a

2

GB34330-2017

6.1 b "

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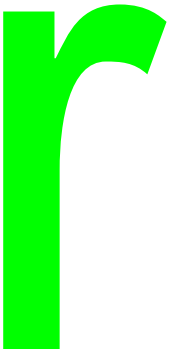
3

5t/a

4



5



| | | | | | | | | |
|---|--|--|--|--|------------|---|---|--------------|
| | | | | | t/a | | | |
| 1 | | | | | 0.3 | | / | GB34330-2017 |
| 2 | | | | | 5 | | / | |
| 3 | | | | | 0.1 | | / | |
| 4 | | | | | 67 | | / | |
| 5 | | | | | 1 | 0 | / | |
| 6 | | | | | 0.2 | | / | |
| 7 | | | | | 0.01 | | / | |

2017

43

2025

4-32

t/a

1

0.1 HW49 9006 %

%

| | | | | | | | | | |
|---|--|--|--|--|--|------|------|-------------|---|
| 3 | | | | | | 0.1 | HW08 | 900-249-08 | T |
| 4 | | | | | | 0.01 | HW08 | 900-210-08 | T |
| 5 | | | | | | 0.3 | S59 | 900-009-S59 | / |
| 6 | | | | | | 5 | S59 | 900-099-S59 | / |
| 7 | | | | | | 0.5 | S59 | 900-099-S59 | / |

4-33

4-33

| | | | | | | | | | |
|---|--|--|--|--|--|-----|------|------------|---|
| | | | | | | t/a | | | |
| 1 | | | | | | 5.7 | HW49 | 900-041-49 | T |
| 2 | | | | | | 39 | HW08 | 900-249-08 | T |
| 3 | | | | | | 60 | HW08 | 900-249-08 | T |
| 4 | | | | | | 6.7 | HW08 | 900-210-08 | T |

| | | | | |
|----|-------|------|--------------|---|
| 5 | 10 | HW13 | 900-015-13 | T |
| 6 | 1.106 | HW49 | 900-041-49 | T |
| 7 | 0.2 | HW08 | 900-249-08 | T |
| 8 | 0.02 | HW08 | 900-210-08 | T |
| 9 | 67 | HW49 | 900-039-49 | T |
| 10 | 15.5 | SW59 | 900-099-S59 | |
| 11 | 1.7 | SW59 | 900-009-S59 | |
| 12 | 60 | SW59 | 900-099-S59 | / |
| 13 | 0.3 | SW59 | 900-009-S5-0 | |

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| | | | | | | | | | |
| 10 | | | / | / | / | 599.76 | / | / | / |

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599.76m²

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| 8 | | | | | | |
| 9 | | | | | | GB18597 |
| 10 | | | | | | |
| 11 | | | | | | Mb 1.5m K 10 ⁻⁷ cm/s |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |

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a 5

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

$q_1 \quad q_2 \quad \dots \quad q_n$ —
 $Q_1 \quad Q_2 \dots Q_n$ —

4-36

| | t | t | q/Q |
|---|-----|------|---------|
| 1 | 0.2 | 2500 | 0.00008 |
| 2 | | | |

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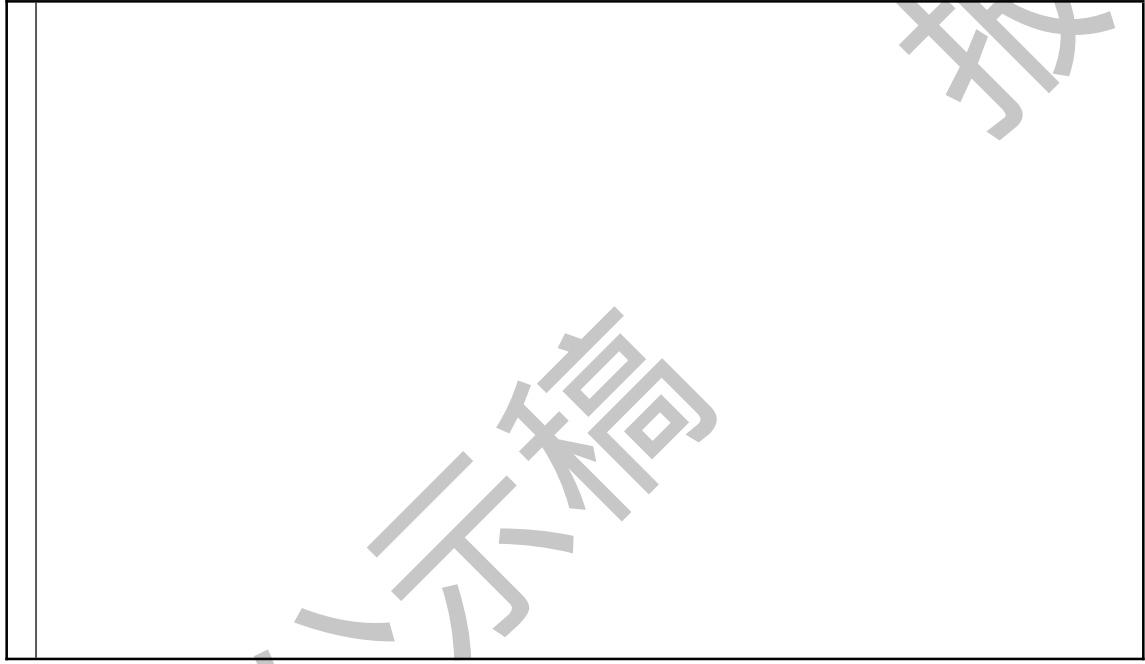
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| | DA012 | | | DB32/4041-2021 |
| | DA013 | | | DB32/4149-2021 |
| | DA014 | | | DB32/4149-2021 |
| | DA015 | | | DB32/4041-2021 |
| | | | | DB32/4041-2021 |
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| | | | | DB32/4041-2021 |

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2021

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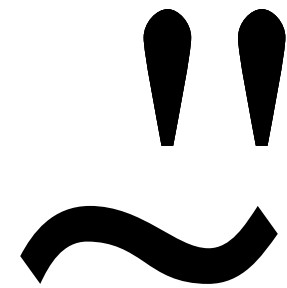
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| 0 | | | | | | | t/a |
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| 6.736 | 5.172 | | 2.866 | / | 9.602 | +2 | |

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| | / | 5.5 | 5.5 | | 5.8 | / | 11.3 | +5.8 |
| | / | 60.1 | 60.1 | | 67.21 | / | 127.31 | +67.21 |

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