

“ ” 2021

“ ”

- -

“ ”_

2021

6

16

3

4

1.

*

3-5

1-2

1-2

1-2

5-10

2-3

1~2

2.

*

1-2

10

1-2

10-20

2-3

30%

2-3

1

1~2

4.

*

1 3-5

1-2

20 /

90%

100

1~2

5.

/

GRAS

3 5

25g/L 20g/L 35g/L

2

M_w

2

M_w

1

M_w

5

-50

1

20 g/L

100

1~2

3:1

6.

*

pH DO

8-10

1-2

1000 /

2-3

1-2

pH

DO

24

48

1-2

500mL

4-8

7

1

3-6

1-2

1~2

7.

*

VLP

10

100-1500 nm

Span

0.8 2 /

5

30%

30%

1

1~2

8.

*

-

15

5

10

< 3h

>80%

>1.5g/L/h

15%

2 3

/

2-3

>3

1~2

9.		*	
		PET	
PA	PE	PP	PUR
PET	PA	PE	PP
PUR		3-5	1-2
		3-4	1-2
70%		1	
1			
1~2			

10.

*

-

2-3

15%

15%

3

15%

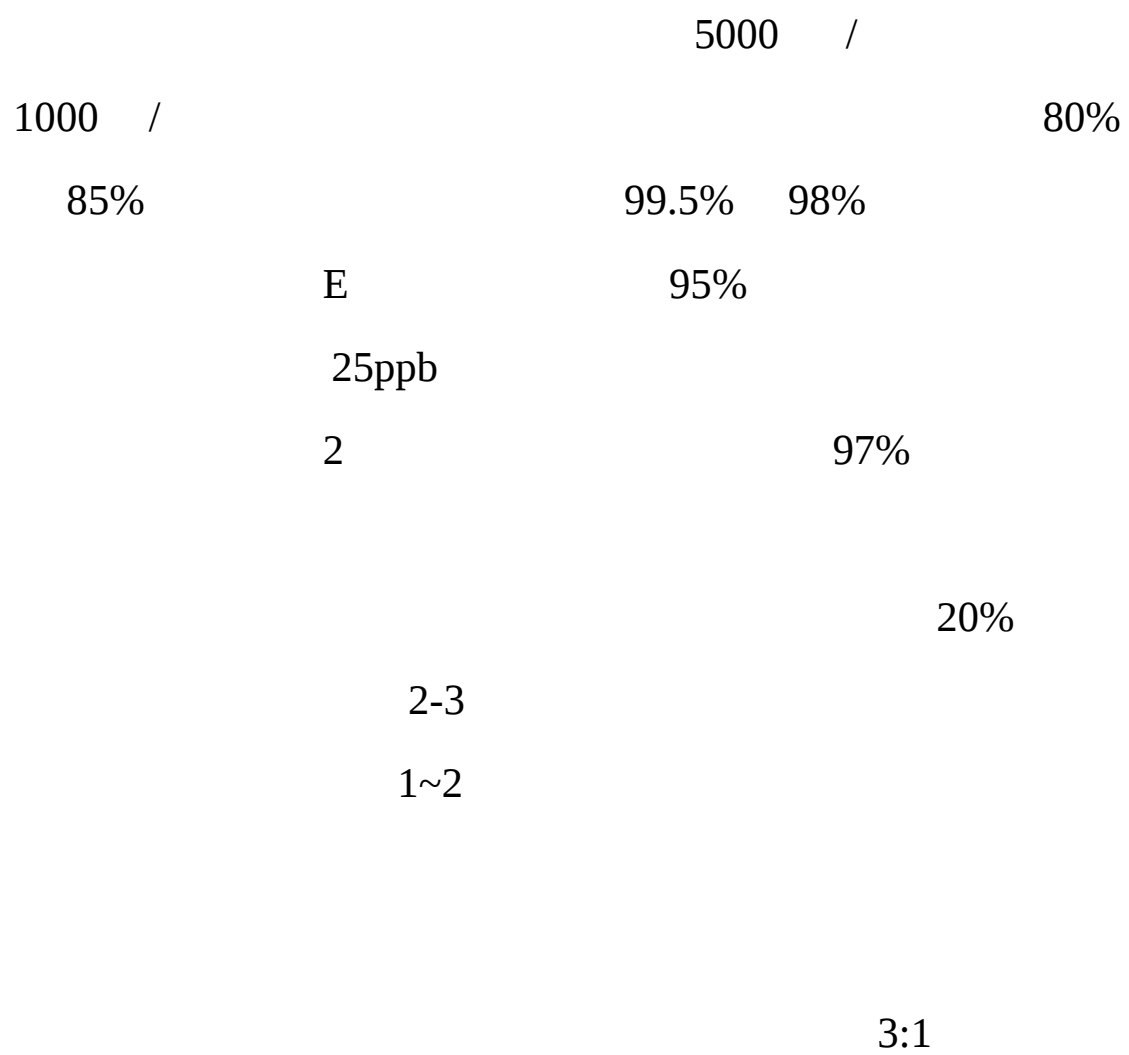
3

99.99%

3

1~2

11.



12.

5-8

0.5-1g/L

3-5

1-2

2-3

30%

1~2

3:1

13.

1-2

/

K 8-10
3-5

3-4

3-4

40%

50%

30%

1~2

3:1

15

5

5

1

3

50%

300

1~2

3:1

1.

4

6

5

10

2.

1~2

1

2

3.

*

35

4.

5.

6.

7.