

	.....	1
1	200	1
2	.....	1
3	.....	2
4	.....	3
5	.....	4
6	.....	5
7	.....	6
8	.....	7
9	.....	8
10	.....	8
11	.....	9
12	.....	9
13	.....	10
14	.....	10
15	.....	11
16	.....	12
17	.....	12
18	.....	13
19	.....	13
20	.....	14
21	.....	15
22	-	15
23	.....	15
24	.....	16
25	.....	17
26	-	18
27	.....	19
28	.....	19
29	.....	20
30	.....	21
31	.....	22
32	.....	22
33	.....	23
34	.....	24
35	.....	25
36	.....	26
37	.....	27
38	CCFM0528.....	28

39	.....	29
40	.....	30
41	.....	31
42	.....	32
43	.....	32
44	.....	33
45	.....	33
46	.....	34
47	.....	34
48	.....	35
49	.....	36
50	.....	37
51	.....	38
52	-	38
53	.....	39
54	.....	40
55	.....	41
56	.....	42
57	.....	43
58	.....	45
59	.....	46
60	.....	47
61	.....	48
62	.....	49
63	.....	49
64	.....	50
65	.....	51
66	.....	52
67	.....	53
68	.....	53
69	.....	54
70	.....	55
71	.....	56
72	.....	57
73	.....	58
74	.....	58
75	.....	59
76	.....	59
77	.....	60
78	.....	61
79	.....	63
80	.....	64
81	.....	64
82	.....	65

83		Kuni t z	.....	66
84			.....	67
85			.....	67
86			.....	68
87			.....	69
88			.....	70
89			.....	71
90			.....	72
91			.....	73
92			.....	73
93			.....	74
94			.....	75
95			.....	76
96			.....	77
97			...	78
98	LOX HPL	06	.....	78
99			.....	79
100			.....	79
101			.....	80

1 200

2017

-

1

200

2

3

87

5

1

2

3

21. 37

2. 29

13906189150

xcl @i angnan. edu. cn

2

863

2011

1

-

2

1

-

48.9%

2

-

65.1%

3

4

3

-

200810022919.5

200910034840.9

0510-85329237

13771048318

0510-85329237

zfl i @i angnan. edu. cn

3

1

2

3

1200

10%

2

200

4

5

5

30

4

18

2. 48

1. 36

1

2

200

1200

200310106082. X

200610039833. 4

200510094592. 9

0510- 85917806

4

1

2

1

2

3

3

4

03132200. X

03132199. 2

200410014343. X

0510- 85329237

15961866167

5

1 kcal / g

10
90%
-
400
21 4 3
2014 1121 18
0510- 85917789 l gw@i angnan. edu. cn
6
1
> > > > >
> > > >
95%
30%-98%
2
3 3000
10 95% 300 98%
300 600 50 10800
2100
1800

4

10 6

3

98111572. 1

201110167389. 5

200710020258. 8

0510- 85917795

13801513159

cnwhx1964@163. com

7

2%

22%

3 1

45%

	咀嚼时间 (s)	牙垢	臭气浓度	YSCs(ppb)
A	3 ± 2^a	3.1 ± 0.02^b	1.82 ± 0.3^b	523 ± 15^c
$\pm 4^b$	1.0 ± 0.05^a	1.00 ± 0.2^a	334 ± 13^a	B
$\pm 3^b$	1.2 ± 0.03^a	1.00 ± 0.05^a	385 ± 20^b	C
$\pm 2^a$	1.5 ± 0.5^b	1.15 ± 0.5^a	400 ± 15^d	D

A

B 2%

C 2%

D

0510- 85197876

f zhong@i angnan. edu. cn

0510- 85197579

chenmaoshen@i angnan. edu. cn

9

5%

13961800745

10

1

2

3

0510- 85917812

13812509250

yf hua@i angnan. edu. cn

11

2009

2007

2010

1

/

PC

2

1

2

3

3

2000

2

2500

150

300

4

20

46

200510123175. 2

200710021213. 2

0510- 85917806

12

RO

Q P

: 20 /
: 3000 kg/ d
: 2000 m²
: 350 kW
: 2000 kg/ h, 0.4 MPa
: 100 T/ d

13812509250

13915299381

13

1

85

80%

90

40

2000

80

85

2

3

13812509250

0510- 85917812

yf hua@i angnan. edu. cn

14

3 s

0510- 85197876

f zhong@i angnan. edu. cn

0510- 85197579

chenmaoshen@i angnan. edu. cn

15

1

>70%

>90%

~

70%

60000 /

2000

2

3

1000- 8000

6

1

300

60000

/

100000 /

4

2000

200410013840. 8

200610156015. 2

0510- 85919150

13812093128

yrj @i angnan. edu. cn

16

50

13961800745

17

75%

90%

13961800745

18

2010

2008

1

2

200710191259. 9

13961829160

19

1

2

1

2

3

1000

4

21

7 G/MS

13961800745

22

-

1

5 50nm

2

5 50nm

-

3

15-30

4

0510-85917081

13812192381

l i a n f u @ i a n g n a n . e d u . c n

23

1

,

2

1

2

3

3

1000

100

20g/

500

500

3 /

1500

1 /

500

1000

200710024278. 2

200810018503. 6

200810018504. 0

13812098241

w 0519@163. com

24

863

2009

2012

1

20 nm

12

98. 2% 97. 6%

10%

2

3

100

pH

600

600 /

1200

2700 /

1500 /

4

200610166430. 6

201010296651. 1

201110407688. 1

0510- 85197876

f zhong@i angnan. edu. cn

13915335603

l i yue@i angnan. edu. cn

25

1

2

3

30%

5

2

35000 /

13961771335

wxf oodcyl @26. com

26

-

1

-

GABA

GABA

20. 6g/ 100g

GABA

GABA 10g/ 100g

GABA

GABA 500mg/ 100g

GABA 100mg/ 100g

GABA

2- 3

2

GAD

3

1500

GABA

3000

800

3000 GABA

16 / Kg

6 / Kg

4 / kg

1200

4

-

200410014287. X

-

200610166426. X

-

200810025138. 1

13812098241

wf 0519@163. com

27

201110127017. X

13961800745

28

1

2012BAD84B07 479

2012. 01- 2014. 12

31101228 25

2012. 01-

2014. 12

7 1

11 8 SQ 2015 7

2

CGT

CGT

CGT

CGT

CGT

CGT

3

CGT

CGT

- CGT
6

-

CGT

CGT

CGT

CGT

CGT

CGT

CGT

CGT

CGT

-

-

-

4

5

800

6

-

-

-

-

-

0510- 85917079

15961768136

j p wang1984@i angnan. edu. cn

30

200510094481. 8

200610097551. X

200710021257. 5

13812509250

yf hua@i angnan. edu. cn

31

863

-

201010224270. 2

2
 3 UHT
 4
 5
 3 2000
 2000t 16000t 5330
 300ml/ 2.0 / 10660
 2500 / t, 500 600 5000
 500 / t, 1000 3560 1000
 4

200410014266. 8

200710302445. 5

200710024277. 8

201010137867. 3

13812098241

w 0519@163. com

33

2007

2007GB2C100111

1

2

3

500

1000 200 500
70% 30%
1.2 / 2 / 1000
800 /
4
0510- 85919170
13861715020 qyt ong@263. net
34
2005EA701001 2008
1
8
61
2 5
2
3
4
3 12
20 14 6
1. 2

200510038920. 3

200510039034. 2

200310112785. 3

13606179162

min@i angnan. edu. cn

35

1

2

1

2

3

3

4

-

201310204278. 6

201010298274. 5

0510- 85197876

f zhong@i angnan. edu. cn

13915335603

l i yue@i angnan. edu. cn

36

1

8 (6)

2

1

50%

2

3

4

3

500

3000 /

500

4

03132200. X

200510040113. 5

200610156025. 6

200810235384. X

201010568522. 3

201010576608. 0

0510- 85329237

13921171119

chengl i chocol at e@163. com

37

2014

2012

2800

70%

500kg

2kg

30% 60 50%
25% 15%
10%
7 1.8
1 20
2000

201210193220.1

200910030527.8

0510-85917806

oi l eng@i angnan. edu. cn

13270127826

huangj i anhua1124@26. com

38

CCFM0528

2 - SGLT-1 GLUT-
II -
II

15.7% 20.0%

7.0% 19.3% -

		7.29	1.04	-	-1
	2.5	2.2		-2	
1.1	1.2				12.9mmol / L
8.13 mmol / L	2		23.0mmol / L		14.3mmol / L

CCFM0528 201310220050.6

0510- 85912155

wanggang@i angnan. edu. cn

39

22%

E IgE

1	3			
CCFM1029		IgE	IL-4 IL-13	
				CCFM1067
			IL-13	IL-11
	IL-10			
CCFM1040				
IgG1		IL-5 IL-13 IL-17A		
2				

1.0 1010 cfu/ml
3

5~10

95%

90%

18352520928

40

2010

1

2

90

3

300

700

1.35 /

2.07 /

201010142846.0

201010142848.X

201020154081. 8

201020154083. 7

: 13606189172

: 13405769783

fandm@ianganan.edu.cn

41

863

2009

2012

1

100 nm

2

3

200 -

pH

800

1700

/ 2500 -

7500 / 5000 /

4

-

201110399523. 4

OW 15
201210005567.9
:
0510- 85197876
13812536912 fzhong@iangnan.edu.cn

42

0- 30

0- 30

13771010617

43

2010

2008

1

2

3

200710191260.1
13961829160

44

1

2

3

13771010617

45

2010

2008

1

2

200810236029. 4

13961829160

46

60- 65

<15 s

~68 , ~30 min

~135

~8 s

60- 100 mL/min

100- 2000 L/h

/

13951517323

13814215180

47

1

2

1

2

3

3

200610156026. 0

200910034841. 3

201010207098. X

0510- 85329237

13921171119

0510- 85329237

chengli i chocol at e@163. com

48

1

,

,

,

,

2

1

2

3

3

1000

1000

300

15 / Kg

1500

8 / kg

800

100

600

13812098241

w 0519@163. com

49

2005

1

64%

20

1000

8

2

>98%

66%

3

1000

1

30

5

5

5

15

13

19

7000

1800

1

1000

3000

001123378

2004100142672

13706180115

yaohy@i angnan. edu. cn

50

2005

1

70%

50%

2

1

2

3

3

500

1

406

2500

1

1

3000

4

20041001142668

13706180115

yaohy@i angnan. edu. cn

51

2018

1

2

3

p

20 min 80%

2
1

2 - 80 30
90% 5000U/g
3 300

-
1000 1
3 3000 2000
33

- 0.1% 1000
100 100% 60
200 120 1000
12

4

- 200910052355. 4
- 1, 3- 1, 4- 200910031553. 2
13861781146
13861781146 Lwpkxy@163.com

53

2010 -
2008GA691006

1

4

5

85 90%

4 4.8%

10

9

20

6300

300

13961771335

wxf oodcyl @26. com

55

1

2

6

2

3

150

1000

10 /

4000

100

1

250

4

201010215514. 0

0510- 85329037

0510- 85329037

13771541880

0510- 85329037

[pengwei @i angnan. edu. cn](mailto:pengwei@i angnan. edu. cn)

56

0. 6

50%

pH

13921515616

xnzhang@i angnan. edu. cn

57

2009BAK61B04

2010DFB30470

2009I K129

2006AA10Z450 863

2007GE2C100110

2006BAK02A09

2006BAD04A08

1

A

B

O 157

ELI SA

11

4

2011

200910183680. 4

—

200910181247.7

—

200810123017. 0

200710135242. 1

200710022543. 3

200710022047.8

200810234130. 6

11

200910031726.0

200910031725. 6

201010196970.5

200910027606. 3

- LR

200810022245. 9

201010605799. 9

DNA

201010101763. 7

200910232340. 6

3- - - 2-

200810022033. 0

200710135000. 2

200710022542. 9

3- - - 2-

200710019665. 7

200710134520. 1

4-

200810019046. 2

200710135301. 5

1-

200810019047. 7

200710135244. 0

200910027067. 3

200810123015. 1

19

HPLC-ESI - MS/MS

200810022357. 4

200810022244. 4

200810123016. 6

200710134500. 4

0510- 85329076

13906189150

xcl @i angnan. edu. cn

58

/

90- 92%

40-

80

1

2

/

90- 92%

40- 80

3

300KG

15- 20

1- 1. 5

7- 8 /

40- 42 /

4

0510- 85917081

13812192381

0510- 85917081

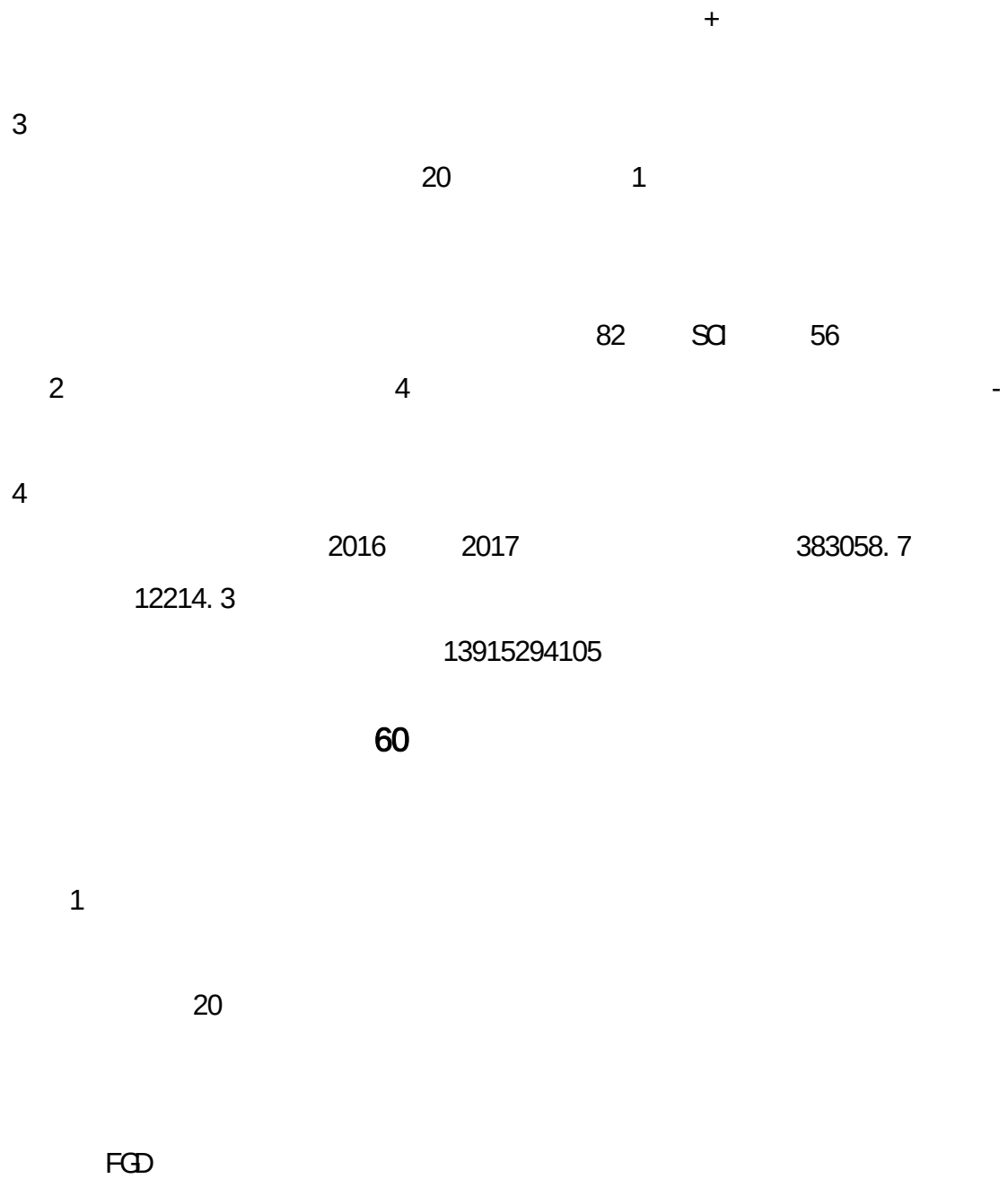
l i a n f u@i a n g n a n . e d u . c n

59

1

2018

2



2
1
2 JAR
3
3
4
0510- 85197876
13812536912 f zhong@ai ngnan. edu. cn
61
1 2010 2008
2
3
200710191260. 1
200710191259. 9
200810235216. 0
200810236030. 7
200810236029. 4
13961829160

62

1

6

3%

2

1

2

3

500

4

2006100400851

200510094344. 4

0510- 85919121

0510- 85329057

13585028520

qi xi ngj @163. ccom

63

1

2

3

50~500

4

201110130244. 8

201210056569. 0

201210045627. X

0510- 85917100

13951517323

xmxu@i angnan. edu. cn

64

863

2006AA09Z430

863

(2007AA100406)

2008

1

7

20

15

3

1

16

47

SD

9

2

4

2

3

4

4

3

3

13961829160

66

1

93% 87%

80%

2

1

2

3

3000

300

20000

9000

4500

5000

4500

1100

2500

4

2

201110165902. 7

200810021343. 0

200610096926. 0

200610096925. 6

200410013841. 2

200410014630. 0

0510- 85919150

13912360161

zhangwb7909@163.com

67

1

2

3

1

1

1

4

$$\begin{array}{ccccccc} & & & 400 & & & \\ & 300 & & & 500 & & \\ & & & + & + & & 1.5 \\ & 40g & 1.5 & / & 2.5 & = & 3.75 \\ 3.75 - 1.5 & & / & 500 & = & 1125 \end{array}$$

13771541880

0510- 85329037

pengwei@iangnan.edu.cn

68

1

2

1. 5

5%

40%

4

3

500

30

150

2580 /

5800 /

: 13606189172

: 051085884620

: 13405769783

: 051085912155

[f andm@i angnan. edu. cn](mailto:fandm@i angnan. edu. cn)

69

/

5 100nm

1 40 g/ 100 mL

1

A

B

C

D

E

250 450

1/ 300

2
250 mg/kg
10 mg/kg
1 mg/kg
50 kg
5-7 kg

3
1 /
300 /

13771010617
liuhaiying@iangnan.edu.cn

71

2002EA701011 2006

1

40

28 13 13

2

3

4

1. 6

5686

5190

13606179162

mi n@i angnan. edu. cn

72

1

2

3

50- 100

200410065805. 0

200410065806. 5

0510- 85917789

13812519691

yhshi @i angnan. edu. cn

73

1

2

3

200- - 2000

5t / d

1200

500

4

13801513159

cnwhx1964@163. com

74

10

pH

pH

V₀

ACE

2

3

400

550

300

1

+

+

4

1

500g

40

/

2000

=8

1

8-4

/

300

=1200

4

3

4

1

201210518620. 5

200810022303. 8

201010298274. 5

0510- 851970C>201. 05 400. 25 Tnf<2B6B4213>] TJB2Tnf<0436300314A82

2

¹¹ cf u/ mL ¹¹ cf u/ g

50

3

99% 4 10¹¹- 10¹²cf u/ g

10¹⁰ cf u/ g

4

5

20 90

2

2004 2007 2

2006 2010 4 863

SD 100

30

50%

20

5

201210322124. 2

201210046323. 5

0510- 85912155

wanggang@iangnan.edu.cn

79

0-5

3

13771010617

l i uhai yi ng@i angnan. edu. cn

80

1

2

3

200810235216. 0

13961829160

82

PH 3. 8-4. 5

110- 116 25- 35m n ;

110- 116 30- 40m n ;

110_116 35- 45m n

0510- 85919121

xi aws@i angnan. edu. cn

13585028520

qi xi ngj @63. com

83

Kuni t z

Kuni t z

()

Kuni t z

Kuni t z

Kuni t z

201410193480. 8

13812509250

BET 100 900m²/g

EPA DHA

-

1: 2-3 Al cal ase
3000U/g-5000U/g 45-55 pH8-9
2-3 (W/V)
1 4-6 50-60 , 30-60min
10-15% - 40-
55 , 110-120r/min 70-100min 4500r/min 10min

201310178937.3

13606193362

xiaws@ianguan.edu.cn

13585028520

qixingji@163.com

87

95%

			50 ~55	
	pH st at	pH		
			Al ac l ase	
	pH st at	pH	6. 0~6. 5	3h~4h
Al ac l ase	pH st at	pH	8. 5~9. 0	3h~4h
	pH st at	pH	6. 5~7. 5	3h~4h
		60	170 ~180	80 ~90

201310232635. X

13606193362

xi avs@i angnan. edu. cn

13585028520

qi xi ngj @163. com

88

20%

12

4

15- 30

1 170- 190
30s- 60s 2- 3min
2 , 1% 2% 2% 3%
0. 3% 0. 5% 1. 0% 2. 0% 0. 1% 0. 3% 0. 1% 0. 3%
100% 0. 7- 1h
A B
A 115- 121 30- 50min 40
0. 11- 0. 12MPa 12
B 80- 100 30- 50min 20-
40 4 15- 30

201310176466. 2

13606193362

xi aws@i angnan. edu. cn

13585028520

1%1. 5% ,
35%45%
12- 18 ,
58 62 , 3- 5

201410232148. 8
13606193362 xi avs@i angnan. edu. cn
13585028520 qi xi ngj @163. com

91

4- 6 1. 5- 2. 5 4- 5%
1- 2 20- 40

6

201310435932. 4
13961826017
zhshdi ng@i angnan. edu. cn

92

5- 10%

-2

4

201410266184. 6

13961826017

zhshdi ng@i angnan. edu. cn

93

1- MCP

03- 0. 6 mg/ L;

5- 10%

10- 15%

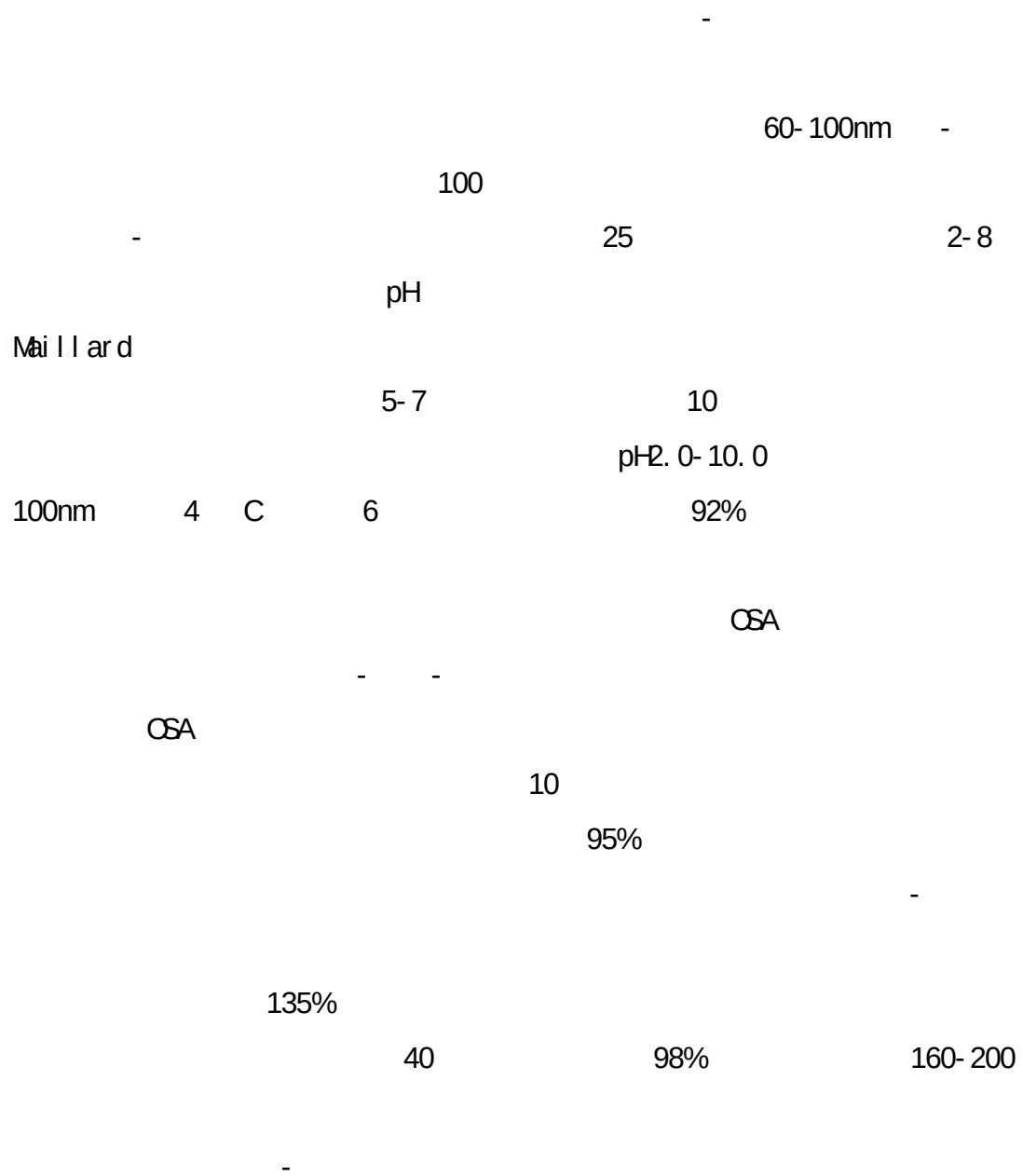
2- 4

30

201310358537. 0

13961826017

zhshdi ng@i angnan. edu. cn



0510- 85197876
13915335603

f zhong@i angnan. edu. cn
li yue@i angnan. edu. cn

95

BE2002320

2006

1

4

2

3

4

2. 7

1525

200310112743. X

200310112785. 3

200510038919. 0

13606179162

: min@iangnan.edu.cn

96

97

1

> > > > >
> > > >
95% 30%~98%
10000 /

2

95%

3

4000
10000 1800
20% 95% 450 80% 450
55% 35% 600 3.8
5000
2200

4

10000 /

0510- 85917795

13801513159

cnwhx1964@163.com

98

LOX HPL

C6

1

863 (LOX)/
(HPL)

LOX/HPL

2

, LOX HPL
LOX/ HPL
13812509250

3

4

3.5

6900

100

3.5 100 / =350

OPO 150

1.5 150 / =225

926.4

5

201310718952.2

1, 3- -2-

201310264723.8

13083513739

mengzong@i angnan. edu. cn