300779

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6 = P5 A% ,ºO LŸ

34,379.47 32,385.97 28,486.22

5,133.19 4,285.93

2,701.52 1,175.42 -548.38

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5,740.83 3,911.39

-12,529.88 -3,516.08 2021 2022 1-3

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FCC		Fluid Catalytic Cracking
		m^2/g
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	Qingdao Huicheng Environmental Technology Group Co., Ltd.
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	266520
	300779
	0532-58657701
	0532-58657729
	www.hcpect.com
	stock@hcpect.com

2022 6 30

100,004,149

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1			17,060,250	17.06%
2			10,907,450	10.91%
3			10,828,500	10.83%
4			2,725,000	2.73%
5			1,822,921	1.82%
6			1,138,300	1.14%
7			1,131,950	1.13%
8			1,079,000	1.08%
9			875,800	0.86%
10			832,950	0.83%
			48,402,121	48.39%

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17.06%

10.83%

27.89%

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1993 7 2000 8

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2011 2006 2015

2015 2022 4 2015

2020 4 2021 9 2022 4 2015

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2006

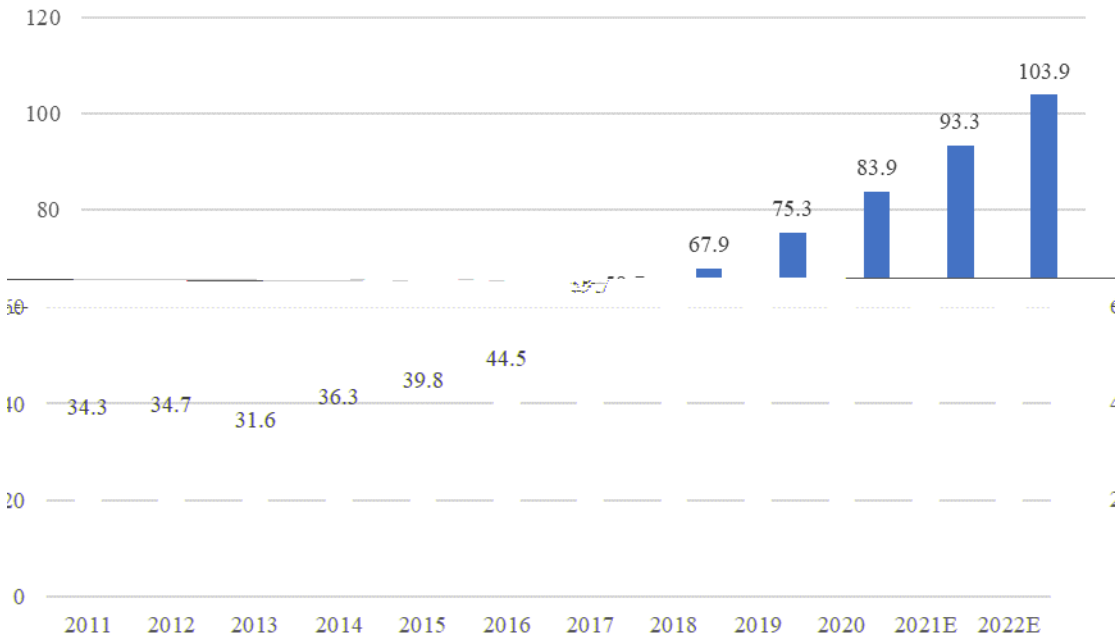
2006

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4,195

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2012

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2016 5

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90% 90% 2030

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2013-2020 6.01% 2020 12
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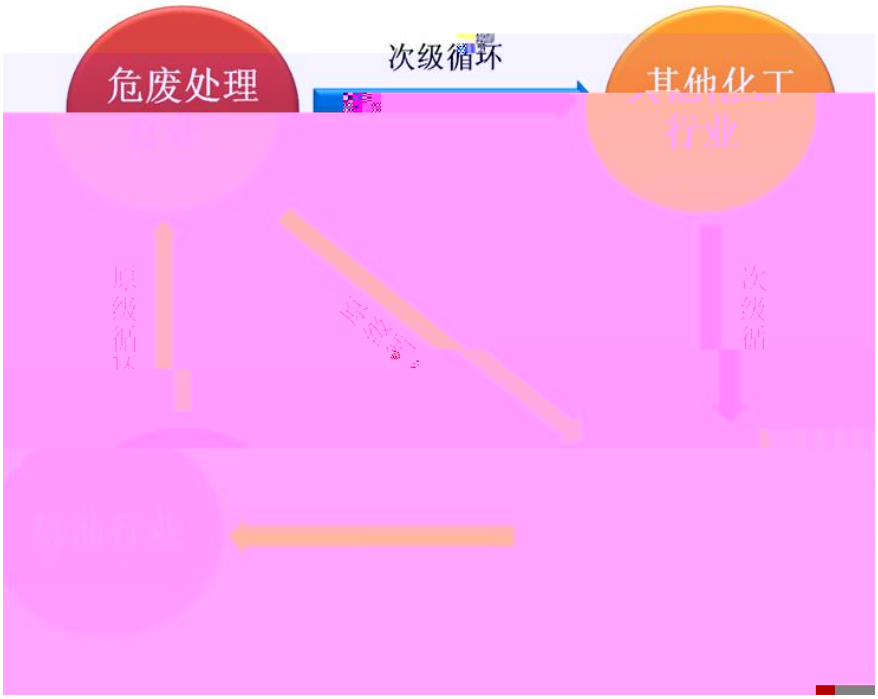
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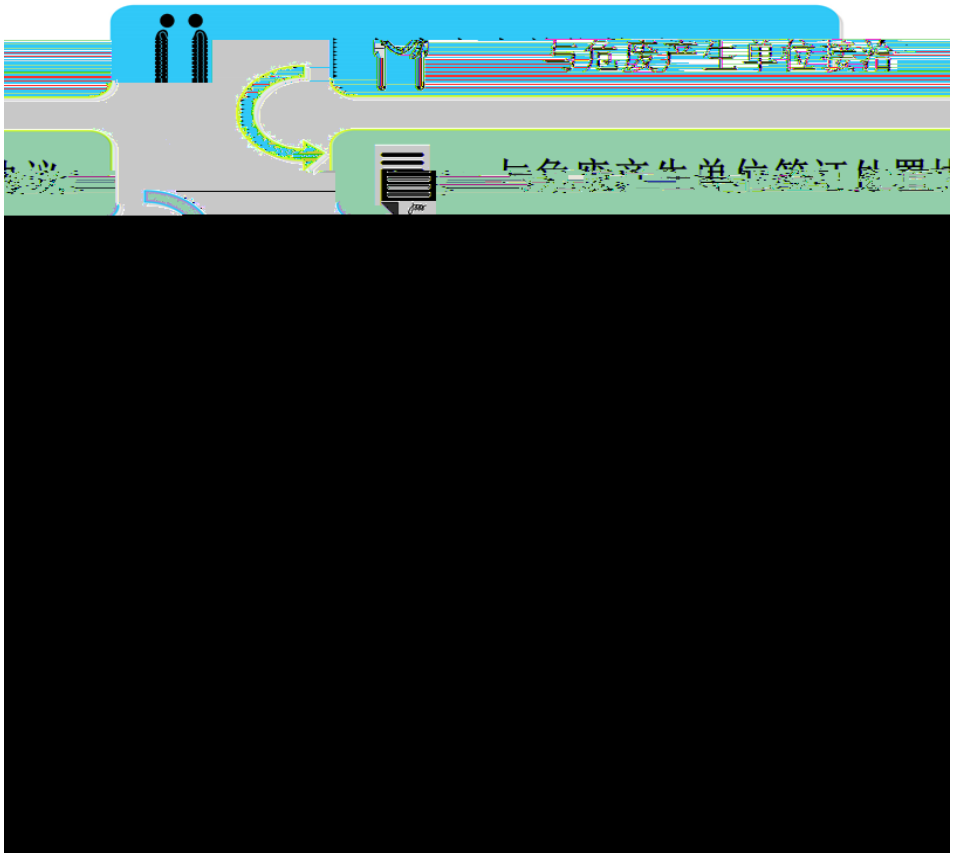
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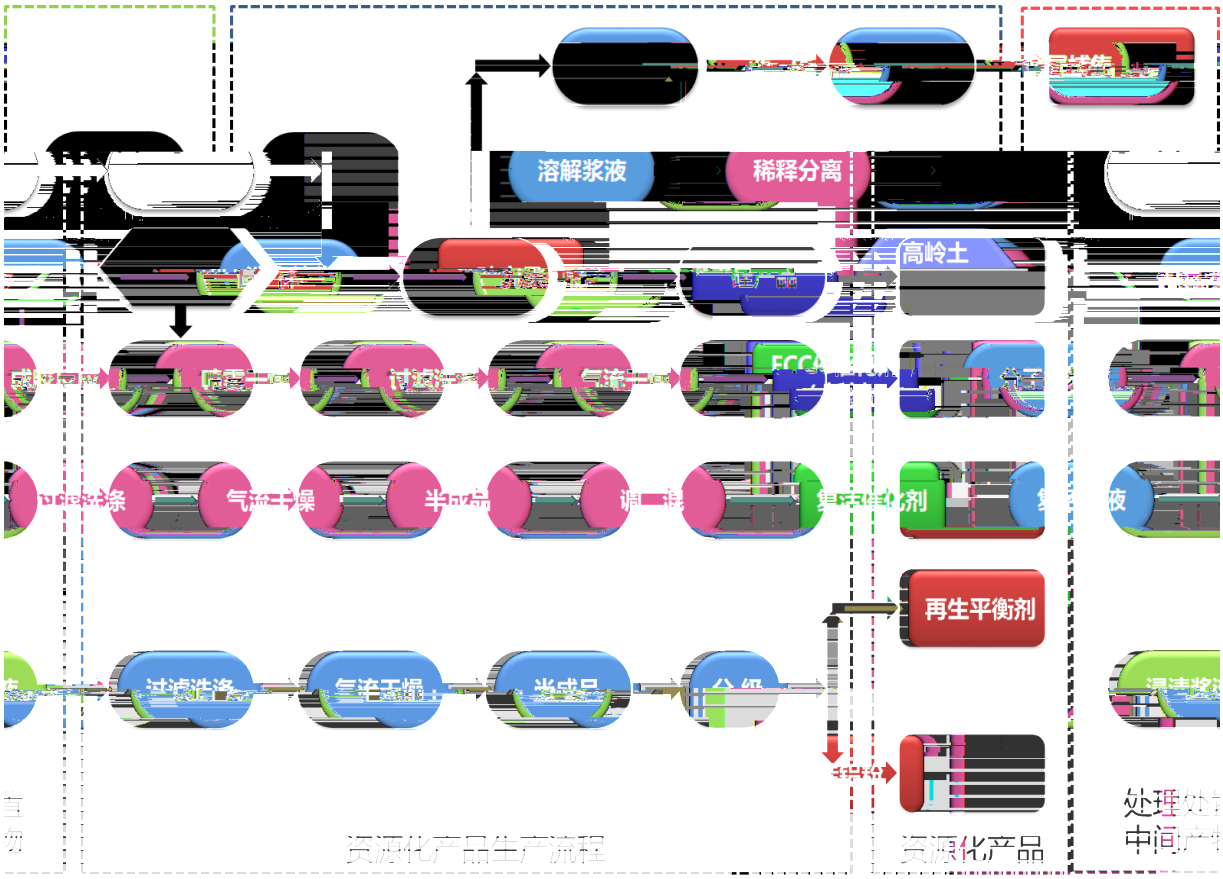
2020

2021

GDP

8.1%




溶解浆液
稀释分离
高岭土
再生平衡剂
资源化产品生产流程
资源化产品



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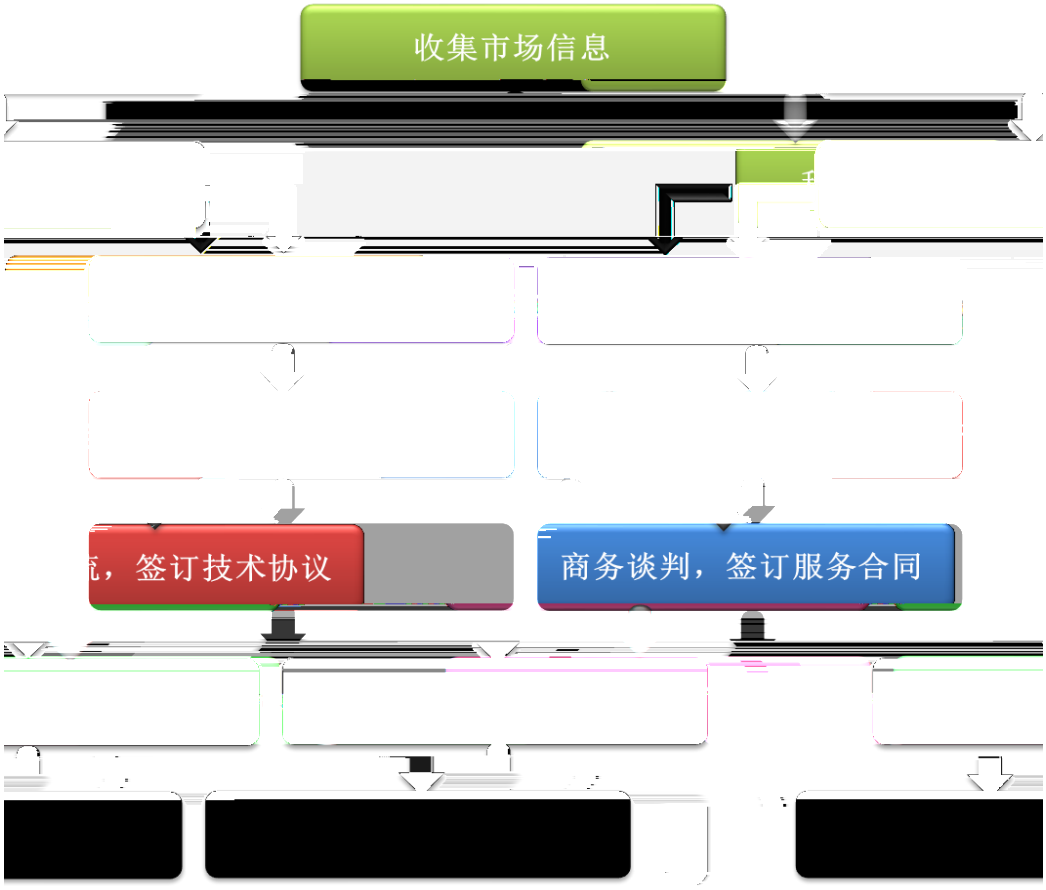
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FCC

	2022	1-3	2021		2020		2019	
	511.13	9.96%	3,003.74	10.54%	3,833.86	11.84%	3,884.54	11.30%
	3,311.25	64.51%	23,008.15	80.77%	26,629.34	82.22%	27,136.20	78.93%

3

		2022 1-3	2021	2020	2019
FCC		1,773.55	18,425.74	21,175.88	20,280.38
		1,79500	15,517.96	18,974.00	19,022.95
	%	101.21	84.22	89.60	93.80
		512.00	3,899.20	2,379.40	1,255.40
		512.00	3,707.86	1,988.40	1,279.20
	%	100.00	95.09	83.57	101.90
		369.20	5,899.85	8,207.91	7,496.38
		488.36	3,574.32	7,625.37	7,115.09
	%	132.28	60.58	92.90	94.91

2021

3

17,942.31 17,386.97

15,875.43 2,153.59 53.43%

54.55% 57.10% 42.59%

			%
2022	1-3		
1	Albemarle Corporation	563.09	11.14
2		478.97	9.47
3		439.65	8.70
4		338.43	6.69
5		333.45	6.59
		2,153.59	42.59
2021			
1		4,750.47	17.09
2		4,563.91	16.42
3		2,430.90	8.74
4		2,275.69	8.19
5		1,854.45	6.67
		15,875.43	57.10
2020			
1		5,112.77	16.04
2		4,007.49	12.57
3		3,990.45	12.52

			%
4		2,731.96	8.57
5		1,544.30	4.85
		17,386.97	54.55
2019			
1		5,591.29	16.65
2		4,965.37	14.79
3		2,738.00	8.15
4		2,362.35	7.03
5		2,285.31	6.81
		17,942.31	53.43

50%

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	2022 1-3		2021		2020		2019	
	1,921.59	48.10%	10,029.02	49.98%	11,593.47	51.03%	10,677.53	50.45%
	725.36	18.16%	4,383.44	21.84%	4,973.43	21.89%	5,130.97	24.25%

2

8,978.62

8,518.45 7,992.41 1,788.96 50.33%

47.49% 50.61% 45.51%

			%
2022	1-3		
1		546.93	13.91
2		326.53	8.31
3		315.36	8.02
4		305.64	7.78
5		294.50	7.49
		1,788.96	45.51
2021			
1		2,654.72	16.81
2		1,813.06	11.48
3		1,389.97	8.80
4		1,257.52	7.96
5		877.15	5.55
		7,992.41	50.61
2020			
1		2,659.16	14.83
2		2,032.52	11.33
3		1,626.91	9.07
4		1,316.04	7.34
5		883.81	4.93
		8,518.45	47.49
2019			
1		2,738.06	15.35
2		2,502.03	14.03
3		1,554.89	8.72
4		1,300.52	7.29
5		883.12	4.95
		8,978.62	50.33

50%

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	23,043.95	5,996.60	17,047.36	73.98%

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1	2016 0046096		338 1811		81.71		--
2	2016 0022174		57 4-7		16,619.87		--
3	2016 0006122		57 1 2 3		5,055.66		--
4	2020 0091455		57 8		1,425.20		--
5	2016 0020136		398 1 2		5,074.04		--
6	2017 0062207		9 A 1-12		13,058.14		--
7	2017 0062208		7 B		947.52		--
8	2017 0062209		5 C		2,984.52		--

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		16 / 62.57 63.34	1300 / /	

15		1	93.86	81.95	10	87.31%
16	D821	1	89.72	62.91	10	70.12%
17		1	88.49	76.03	10	85.92%
18		1	73.50	54.3	10	73.88%
19		2	73.50	54.3	10	73.88%
20		1	70.80	52.3	10	73.87%

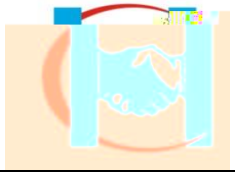
35kv 35kv

2021 7 30 2024 7 30 35kv

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1			10253441	1	2023.3.6	
2			10253510	1	2023.2.6	

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2				ZL201110124965.	2011.5.5	2013.5.1	20		
3				ZL201320139452.	2013.3.17	2013.9.18	10		
4				ZL201110263254.	2011.8.24	2014.12.1	20		
5	FCC NOX			ZL201420869225.	2014.12.28	2015.8.26	10		
6				ZL201410085216.	2014.3.6	2016.11.1	20		
7				ZL201510074806.	2015.2.7	2017.3.22	20		
8				ZL 201720143994.	2017.2.17	2017.9.29	10		
9	$SiCl_4$			ZL201510178636.	2015.4.15	2017.3.15	20		
10				ZL201510468726.	2015.8.3	2018.8.28	20		
11	ZSM-5/Y			ZL201610079650.	2016.2.5	2019.1.1	20		

12				ZL201610506039.2	2016.6.30	2019.2.19	20		
13				ZL201610079649.	2016.2.5	2019.11.15	20		
14				ZL201610664137.	2016.8.12	2020.1.14	20		
15	S-Zorb			ZL202121527229.	2021.7.6	2022.1.14	10		
16				ZL201810977327.2	2018.8.27	2022.1.11	20		
17				ZL201911271632.	2019.12.12	2021.8.3	20		
18				ZL201711171509.	2017.11.22	2021.6.11	20		
19				ZL201710328043.	2017.11.22	2021.6.1	20		
20				ZL201922219458.	2019.12.12	2021.3.16	10		
21				ZL201711171440.	2017.11.22	2021.3.16	20		
22				ZL201922233224.3	2019.12.12	2021.2.23	10		

23				ZL202121738372.	2021.7.28	2022.1.28	10		
24				ZL202121654766.	2021.7.20	2021.12.31	10		
25				ZL201922464546.	2019.12.31	2020.12.22	10		
26				ZL201922432375.	2019.12.30	2020.11.13	10		
27				ZL201922434713.X	2019.12.30	2020.11.3	10		
28				ZL201922432356.	2019.12.30	2020.10.20	10		
29				ZL201922464556.7	2019.12.31	2020.10.9	10		
30				ZL201922464550.X	2019.12.31	2020.9.22	10		
31				ZL201922434692.	2019.12.30	2020.9.15	10		
32				ZL201310500360.	2013.10.14	2015.4.29	20		

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99			HW50,251-017-50 18,480 /	2019.1.25 2024.1.25

118	HW50 251-016-50 251-017-50 10,000 /	

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FCC

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3-70nm 7-40nm 130-350cm²/g 0.2-1.5cm²/g

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	2022 1-3	2021		2020		2019
			%		%	
	5,133.19	28,48622	-12.04%	32,385.97	-5.80%	34,379.47
	4,068.80	20,422.67	-11.41%	23,052.15	5.49%	21,852.51
	-518.18	1,408.96	-60.48%	3,564.93	-15.65%	4,226.47
	-548.38	1,421.89	-55.64%	3,205.26	-37.45%	5,123.99
	-548.38	1,175.42	-56.49%	2,701.52	-36.97%	4,285.93
	-548.38	1,175.42	-56.49%	2,701.52	-36.97%	4,285.93
	-739.11	466.51	-76.30%	1,968.77	-46.98%	3,713.42

2019 2021 34,379.47 32,385.97

28,486.22 4,285.93 2,701.52 1,175.42

2020 1,993.50 1,584.41

5.80% 36.97% 2021 3,899.75

1,526.10 12.04% 56.49%

1

		2021		2020		2019	
		-	-	566.28	200.73	2,362.35	820.96
		-	-	215.41	56.56	465.19	120.64
		-	-	409.36	134.03	723.97	219.33
		1,096.70	264.23	1,544.30	399.60	1,447.26	452.95
		710.57	181.44	763.63	200.20	902.42	277.16
		1,807.27	445.67	3,498.98	991.12	5,901.19	1,891.04
		1,854.45	1,078.50	4,007.49	1,993.43	5,591.29	2,590.80
		3,661.72	1,524.17	7,506.48	2,984.56	11,492.48	4,481.82
		12.85%	18.90%	23.18%	31.98%	33.43%	35.78%

2020 1,993.50 1,584.41

3,986.00 1,497.27

2021 3,899.75 1,526.10

3,844.76 1,460.39

2019-2021

2022 1-3

2

1

	2022 1-3	2021	2020	2019
	20.98%	27.82%	28.71%	36.98%
	4.40%	47.97%	35.51%	13.67%
	20.74%	28.31%	28.82%	36.44%

36.44% 28.82% 28.31% 20.74%

2020

2019

	2022 1-3	2021	2020	2019
	20.98%	27.82%	28.71%	34.44%
	4.40%	47.97%	35.51%	13.67%
	20.74%	28.31%	28.82%	33.96%

33.96% 28.82% 28.31% 20.74%

2

	2022 1-3	2021	2020	2019	2021 2020	2020 2019
	20.98%	27.82%	28.71%	34.44%	-0.89%	-5.73%
	0.58%	32.10%	52.43%	64.34%	-20.33%	-11.91%
	20.20%	25.75%	24.36%	29.13%	1.39%	-4.78%
FCC	22.94%	27.30%	26.35%	29.10%	0.95%	-2.75%
	20.74%	28.31%	28.82%	33.96%	-0.51%	-5.14%

2019 2021 64.34%

52.43% 32.10% 2020 11.91% 2021

2020 20.33%

3

29.13% 24.36% 25.75%

20.20% FCC

FCC

	2022 1-3	2021	2020	2019
	2,123.68	18,217.37	22,393.99	24,204.45
	1,636.47	13,244.26	16,492.90	17,160.23
	1,654.12	14,499.30	17,683.20	17,689.35
/	12,838.69	12,564.32	12,664.00	13,683.06
/	9,893.26	9,134.42	9,326.88	9,700.88
/	2,945.43	3,429.90	3,337.12	3,982.18
	22.94%	27.30%	26.35%	29.10%

FCC 29.10% 26.35% 27.30%
22.94%

2020 FCC 2019 2.75
1 FCC 2020 2019
1,019.06 / 7.45%

2 2020 FCC
2019 374.00 / 3.86%

2019 172.19 / 26.23%
132.95 / 11.96% A
B
C

2021 FCC 2020 0.95
2021 FCC 2021 2020
FCC 2020 192.46 / 2.06%
120.20 / 2021

2022 1-3 FCC 2021 4.36
758.84 /

4

	2022 1-3	2021	2020	2019
	511.13	3,003.74	3,833.86	3,884.54
	508.17	2,039.43	1,823.71	1,385.23
	5,082.65	21,149.24	22,657.34	18,986.49
/	1,005.64	1,420.26	1,692.10	2,045.95
/	999.82	964.31	804.91	729.59
/	5.82	455.95	887.20	1,316.36
	0.58%	32.10%	52.43%	64.34%

64.34% 52.43% 32.10%

0.58%

2019

2,045.95 / 2022 1,005.64 /

2

2020

	2022 1-3	2021	2020	2019
/	941.80	1,451.44	1,951.42	2,053.31
/	822.32	721.58	673.63	692.47
/	119.48	729.86	1,277.79	1,360.84
	12.69%	50.29%	65.48%	66.28%

2022 1-3

3

	2020 1-3			2021		
	96,364.48	-254.90	20.91%	401,523.04	15,584.19	27.48%
	-	-	-	11,306.23	1,570.22	43.72%
	-	-	-	48,206.00	2,356.99	34.51%
	96,364.48	-254.90	20.91%	153,678.42	6,503.80	35.24%
	5,133.19	-548.38	20.74%	28,486.22	1,175.42	28.31%
	2020			2019		
	331,502.12	33,349.45	34.12%	345,859.11	46,671.79	36.08%
	8,505.45	-199.68	26.26%	12,871.57	134.85	25.23%
	31,840.23	2,466.19	34.57%	26,644.90	343.2	24.99%
	123,949.27	11,871.99	31.65%	128,458.53	15,716.61	28.77%
	32,385.97	2,701.52	28.82%	34,379.47	4,285.93	36.44%

2021

2019 2021

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/ FCC

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2022 3 58.09%

6,706.18 35,382.13

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27.89%

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20 80% 20

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P1=PθD

P1=P0/(1+N)

P1=(PθD)/(1+N)

2				1,700	96.03%
3		FCC		15,700	4.46%
4				1,000	22.50%

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Â = b!W >, Â F D ¸ >, /B— ¬ ÔL{ Ý l ð D ¢ .,º B P1

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3,000.00

5,788.88 450.00

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6 30 13.46 / 50%

2,971.77

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1b Ê8¸ :™ Á P © Ä b!W LüCzH µ+^,º %>,] < Æ

6 = LüCzH µ+^A× H

2021 11.72 /

11,720.00

35,160.00

Â = b!W LüCzH ËCzN¯-$,º û?·] D %>,] < Æ

´ 6 µ b!W Lü CzH ,º û?·]

1

27.89%

3,000

57,888,750 44.53%

2

FCC

3 / FCC

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3

´ Â µ b!W LüCzH ,º %>,]

1

2

3 / FCC

4 / FCC

1	3 / FCC	2022 9 30	10,073.00
2	4 / FCC	2022 8 31	45,587.00
3		2022 8 31	59,831.00

2022 8 9

2022 2023 2024

5% 40% 90%

3

3

	2022 E	2023 E	2024 E
	29,910.53	31,406.06	32,976.36
3 / FCC	503.65	4,029.20	9,065.70
4 / FCC	2,279.35	18,234.80	41,028.30
	2,991.55	23,932.40	53,847.90
	35,685.08	77,602.46	136,918.26

4

1

	2021	2021
	28,486.22	100.00%

29,821.23						14,842.97				
			15,184.95			2019		12,788.42		
			50.92%			2020		884.03		
						2021		1,170.52		
1	3 / FCC	3 / FCC	15,184.95	15,184.95	15,184.95	15,184.95	15,184.95	486.42	14,698.53	2022 9 30
2	1 /	1 /	10,136.28	10,136.28	10,136.28	10,136.28	10,136.28	9,856.55	279.73	2019 3 31
3			4,500.00	4,500.00	4,500.00	4,500.00	4,500.00	4,500.00	-	

3 / FCC 2021 12 1

				31,221.58		16,743.96						
						2021		16,743.96				
1	4 / FCC	4 / FCC	31,221.58	31,221.58	31,221.58	31,221.58	31,221.58	16,743.96	14,477.62	2022	8	31

´ ? µ ƒ!W LüCzH * û ë

2020 10 28

2020 11 13 2020

3 / FCC

102,577

3 / FCC

3 / FCC 1.5 /

2021 12 01

17,956 15,184.95

2020-092

3 / FCC 2021

12 1

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1 3 / FCC

2021 3 / FCC

486.42 15,184.95 14,698.53

3 / FCC

102,577

2020 10 28

2020 11 13 2020

2022 4 27

2021 12

1 2022 9 30

2 1 /

2021 1 /

9,856.55 10,136.28 279.73

3

4,500

4 4 / FCC

2021 4 / FCC

16,743.96 31,221.58 14,477.62

2021 9 30

2022 4 27

4 / FCC

2021 9 30 2022 8

31

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´ £ µ ƒ!W LüCzH ËCzN¯-$ Ô)æ ~- û ëB* D

3 1 / 2,980.98

1,577.00 /

2020

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´ “ µ PA× > Á × v / ƒ!W LüCzH µ+^ û ë,ºHªA÷5 Að

[2022] ZG11433 2021 12 31

[2007]500

2021 12 31

1b £8¸ :™ Á P © Ä b!W >, / ¢ . § ,ºAÞAð D < Æ

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L

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´ Â µ b!W >, / ¢ .1 0A,º §

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´ Ê µ b!W >, / P ×5 º,º §

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´ 6 µ b!W >, / ¢ .CX ×(ì ë,º §

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? =@ 8 ¢ . D Ý6×6× R ¬ ©6Š ð •L*,º P × ©31 ±1×*< ©31 = ©6Š Ú I B P1 ¿,º L û ë

=b!W >, Â F D ¸ @ 8 ¢ . e \ Ž ^CzH =Cz Ý>á Ý6×6× R ¬ ©6Š ð –+^,º û ˜ ¸L @ 8 ¢ . p Ý6×6× R ¬ ©6Š ð Ñ û ,º û ˜

Ê = b!W >, / ¢ .CU p û ë,º §

Â = ¶ e =5 :[Â1×*<O LŸ

´ 6 µ æ 0N¯-$N° _ Ë Ý Ý73#¾ L,ºO LŸ

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´ µ Ø m-. /Lü cO LŸ

2019 2020 2021 2022 1-3

53.43%

54.55% 57.10% 42.59%

´ Ê µ ¢ .5 :[f Lü cO LŸ

2019 2020 2021 2022 1-3

26,073.30 24,078.40 21,440.36

3,184.77 77.65% 75.55%

77.12% 62.99%

? =CX ×O LŸ

´ 6 µ P5 A% O LŸ

34,379.47 32,385.97 28,486.22

5,133.19 4,285.93

2,701.52 1,175.42 -548.38

´ Â µ 5 :[)æH #w 75# pCU,ºO LŸ

5,740.83 3,911.39

-12,529.88 -3,516.08 2021 2022 1-3

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3 / FCC

4 / FCC

IPO

´ µ Ê lC\!tO LŸ

9,477.80 7,887.59

10,058.63 11,584.77

2020 12 02

GR202036001757

15%

[2016]41 6,000 / FCC

2015-2017

2018-2020

[2017]34 20,000 / FCC

2016-2018

2019-2021

FCC

13%

= ¬ O LŸ

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3,000.00 2022 6 30 50%

51.34%

22.

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6 = >, ð ž ‰:™ Á =- Á =Q 4Ý1×*< ð Ž & D

一、发行人控股股东、实际控制人声明

二、保荐机构（主承销商）声明

本公司已对募集说明书进行了核查，确认本募集说明书内容真实、准确、完整，不存在虚假记载、误导性陈述或重大遗漏，并承担相应的法律责任。

法定代表人：

侯　巍

保荐代表人：

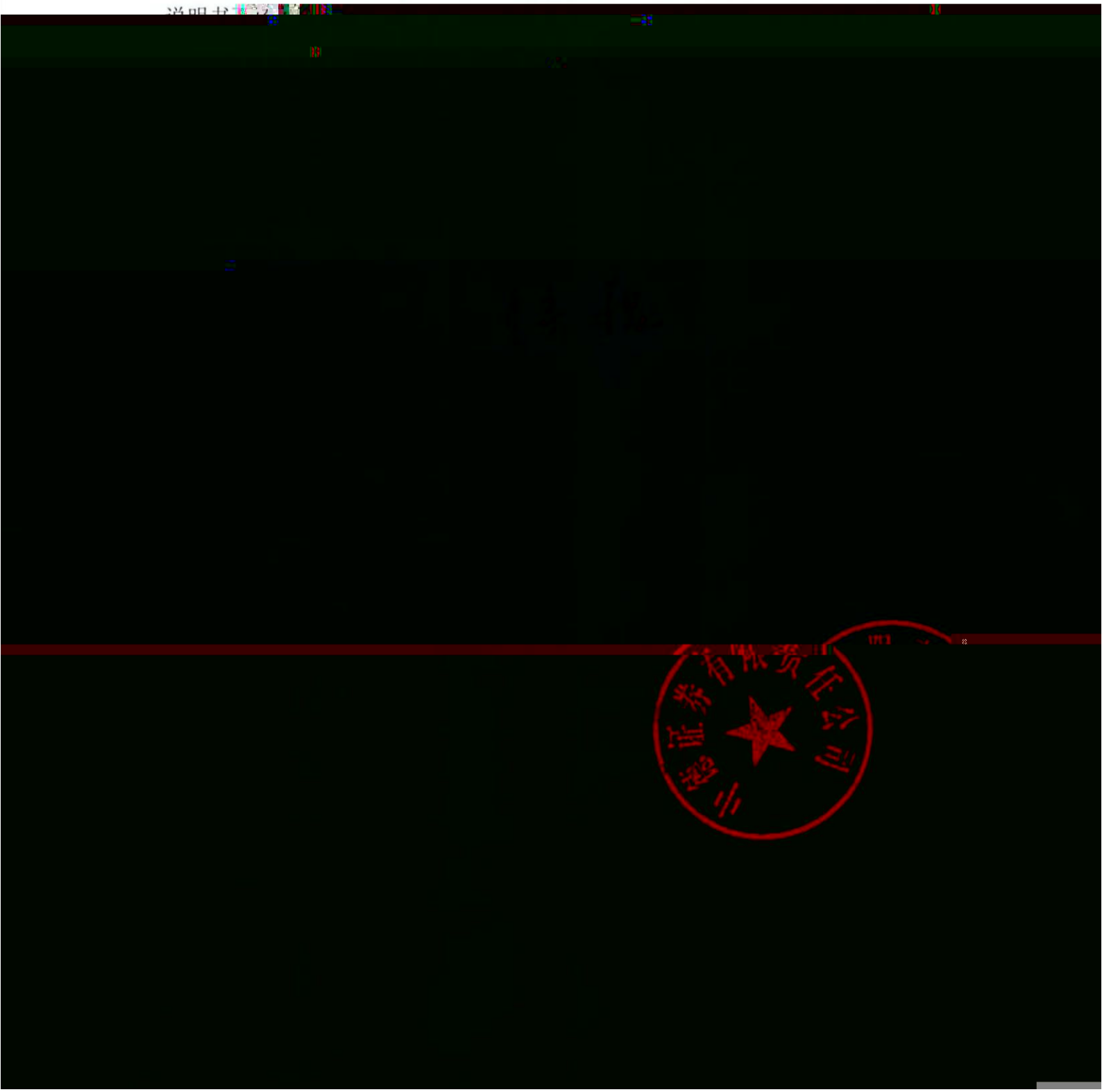
樊佳妮

中信证券有限责任公司

2022年7月14日

二、保荐机构（主承销商）声明

保荐机构董事长声明：本人已认真阅读募集说明书的全部内容，确认本募集说明书



三、发行人律师声明

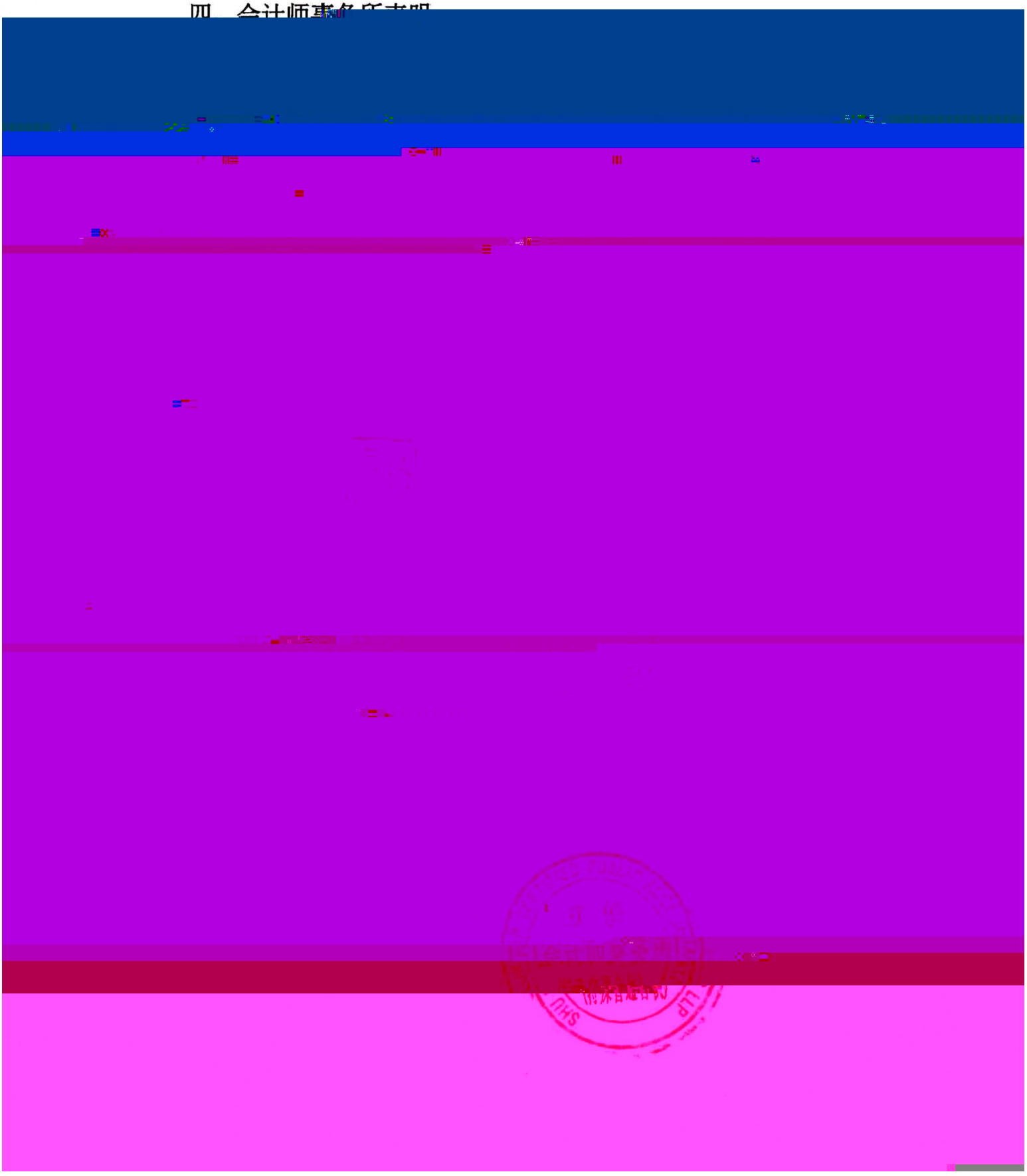
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律师事务所负责

张学兵

北京市中伦律师事务所

四、会计师事务所声明



Ê =:™ Á P © Ä b!W >,,º-. © & D µB0

´ 6 µ ¢ .:™ Á P © Ä ¢ . `› w Â ` > » Ã=ÃCzA× H,º & D

´ Â µ ¢ . ¡›› b!W G(¯ Ð /B— >, A 6×6×/ž €;º © U ÛGý ,º - ‰ à ó