Cr^{6+}

1500-2000 /

20-60%

95%

3

ύ Δ

3.6 8

447

- 2.5-3.0 50

98%

/ 1

1.05 / 2.5 3.6

80

0.5 /

1200°C 300°C 1%

20% 20% 2% 2013 10%

4-5% 4%

35

Cr^{6+} ≤0.05%

10% 0.83 8.75

8.2 12.6

280

Cr^{6+}

1.5-2.8 /

0.65-0.8 /

Cr^{6+} 90%

2 Cr^{6+} ($Cr_2O_3$50%) 1.30

/ 1.15 / (

98%) 0.95 / 0.9

/ (92.5%) 0.49

/ 0.25 /

				95.2% ($Cr_2O_3$40%) 10%			25 7.6 (Cr_2O_3 40%) 10% 2.3

2013

90

1			1. 2. 3. 6 / 4. 5. 6. — 7.	1. 2. 0.15 / 3. 4. 5.			1. 2. 3. 4. 5. 6. 0.43 50 1.6 2000 0.24 0.15 6 2.58 / 300

/ 9.6

8.

9.

10.

0.15

/

			2. 3.				0.024 16 0.028 4 960 / 64 / 0.112 / 10% 100% 2013 60% 100 2.4 / 1600 / 2.8 /
3			3- 20% 60%	1. 1 2. 3.5			6 20% 2 60% 10 60 / 20% 20 / 60%

							100% 2013 60% 100 20% 600 /
4			1. 2. 3.				98% 6 20 3.82 23.5 / 6.6 / 0.33 80% 2013 60% 100 3.82 390 320 / 33 / .

1.

1.

2.

3.

4.

5.

			40- 50% 5-10% 180 30ppm				60% 100 85% 4% 9

6			1. 2. “ ” 3. $CaSO_4.2H_2O$, β- β- α-	1. 1 2-4 10 2. 20-40 / 2013 60% 100% 180 2013 800 1000 25-30
7				5 / 200 0.38 1.75 8 40 / 50% 0.16 3 14 2013 80

							400 / 1.6 30 140

1.

2.

1

2

3

2013

15%

10%

10%

75%

5%

60%

1.5%

2013

14 /

2.7 /

					60%-70%			200 1 0.2 60% 90% 2013 75% TDI 2013 100 75% 3
					70%-80%			200 0.1 0.02 1% 50% 2013 5% TDI 2013 40 5% 0.4
3					100% VOC			300 0.1 0.03 0.8% 10% 2013 1000 15

							1.5% 2 / 2 /

1			60%-70%	60%-70%			500 0.1 0.05 2% 100% 2013 15% TDI 2013 100 15% 7
2				50%			COD 0.6 2 1.2 30% 100% 2013 15 60% 200

							COD 2.7 /

			≤0.1 /	PH_3 800/<0.1 / 1000/<0.1 / 10/<0.05 / 175/0 / ≤0.15 / 0.8 / 0.65 /			0.017 2 28.6 5.5 66 28.6 6 0.34 2% 2013 30% 60% 30 82.5 0.043 0.1 0.043 0.009 0.0005 9.6
2				98% 10% 30 0.2 / 0.2 / 1000 / 300 /			1000 300 3 1.3 0.6 2 2 600 6 26 12 5% 100% 100 2013 30% 3.0 0.09 9 390 180 3

3				0.5 /			0.5 2.3 0.02 2 1 4.6 40 1% 60% 100 2013 10% 5 / 23 0.2

1			1.8-2.0	1500-2000			2.75 1.43 3.3 1.43 0.3 0.017 2 5.5 28.6 66 28.6 6 0.34

10%

40% 2013 30%

82.5

/

0.043 0.1

0.043 0.009 0.0005

4.5-6.0

2

13.3-14 5

/

2013 5 /

2013 600 / 200

/ 90 1.0

95 2 / 0.85

/ 2013 70 7.74 /

112 /

1				500			0.7 5 3.5 /

10% 100% 2013
80%
70 / 7 /

2.5
5
125 /

2 98%

10% 100% 2013
50%
70 / 0.175
/ 875

0.01 2
0.85 ز

3