

24K Bright Gold Depletion Table

Gold Content vs. Cathode Efficiency

As the gold is plated out of the solution, the cathode efficiency of the solution decreases. Since the deposit rate is a function of the cathode efficiency, it will also decrease as shown in the table below.

Gold Content grams fine gold/liter solution	Cathode Efficiency	Deposit Rate mg gold/ampere minute
0.39 g/l	7.27%	8.1 mg/A-M
0.79 g/l	14.36%	15.8 mg/A-M
1.19 g/l	21.64%	23.7 mg/A-M
1.59 g/l	25.64%	28.2 mg/A-M
1.97 g/l	30.00%	33.0 mg/A-M
2.34 g/l	31.09%	34.2 mg/A-M
2.70 g/l	31.29%	34.4 mg/A-M
3.82 g/l	34.55%	38.0 mg/A-M
4.53 g/l	36.55%	40.2 mg/A-M
5.19 g/l	36.73%	40.4 mg/A-M
5.80 g/l	37.11%	40.8 mg/A-M
6.52 g/l	37.64%	41.4 mg/A-M
7.20 g/l	37.82%	41.6 mg/A-M
7.56 g/l	37.86%	41.8 mg/A-M