

# Stainless Steel 304 Lab Sheet 500 mL (Batch sheet)

wisdomsdoor.com

Date:

Batch #

Create Stock Solutions (*these can be reused for future*):

- Stock Solution NaCl: 1.5g NaCl in 500 mL distilled water (3 mg NaCl per 1 mL of solution).
- Stock Solution Sodium Citrate: 7.35g in 500 mL distilled water (15 mg per 1 mL solution).
- Corn Syrup: 30ml of Corn Syrup with 20mL distilled water, Put in eye dropper bottle.

37 |  28 |  12 ← Voltage

500 mL of distilled water.

10 mL of sodium citrate.

40 mL NaCl.

8 drops corn syrup.

set stirrer to 500 rpm.

heat water to 60°C. (for dark amber instead of light amber)

Anode:  stainless |  copper |  carbon

DATA:

000 g / anode at start.

000 g / anode at finish.

<i>ppm = material used x 10<sup>6</sup> / amount in mL</i>									
	Start	End	time	mg	ppm	sppm	mA st	mA fin	notes
1 →									
2 →									
3 →									

NOTES:

20 min dark amber using heat. Do not use heat if you want light amber and watch carefully.