

Analysis of variance table (ANOVA) for response surface quadratic model.

| Source | Sum of square | d.f. ^a | Mean square | <i>F</i> -Ratio | <i>P</i> -Value | Effect ^b |
|-----------------|---------------|-------------------|-------------|-----------------|-----------------|---------------------|
| Model | 128.1 | 14 | 9.1 | 13.06 | <0.0001 | S |
| A-HF length | 9.7 | 1 | 9.7 | 13.9 | 0.0029 | S |
| B-Time | 56.8 | 1 | 56.8 | 81.1 | <0.0001 | S |
| C-Stirring rate | 17.6 | 1 | 17.6 | 25.2 | 0.0003 | S |
| D-NaCl% | 4.5 | 1 | 4.5 | 6.4 | 0.0242 | S |
| AB | 3.4 | 1 | 3.4 | 4.8 | 0.0486 | S |
| AC | 0.04 | 1 | 0.04 | 0.057 | 0.8152 | NS |
| AD | 0.93 | 1 | 0.93 | 1.3 | 0.2714 | NS |
| BC | 6.6 | 1 | 6.6 | 9.5 | 0.0096 | S |
| BD | 0.037 | 1 | 0.037 | 0.05 | 0.8215 | NS |
| CD | 1.3 | 1 | 1.3 | 1.85 | 0.1992 | NS |
| A ² | 24.6 | 1 | 24.6 | 35.1 | <0.0001 | S |
| B ² | 0.68 | 1 | 0.68 | 0.97 | 0.3433 | NS |
| C ² | 0.82 | 1 | 0.82 | 1.17 | 0.2998 | NS |
| D ² | 0.091 | 1 | 0.091 | 0.13 | 0.7246 | NS |
| Residual | 8.4 | 12 | 0.7 | | | |
| Lack of Fit | 8.2 | 10 | 0.82 | 7.6 | 0.121 | NS |
| Pure Error | 0.21 | 2 | 0.11 | | | |
| Total (corr.) | 136.5 | 26 | | | | |

^adegree of freedom.

^bS: significant, NS: not significant.