

Table. S14 Effect of different brewing temperature and duration on dissolution rate (%) of caffeine in Se-BF and Se-YL.

| Time (min) | Se-BF | | | | Se-YL | | | |
|------------|-------|-------|-------|--------|-------|-------|-------|--------|
| | 65 °C | 75 °C | 85 °C | 100 °C | 65 °C | 75 °C | 85 °C | 100 °C |
| 1 | 1.11 | 2.12 | 11.53 | 18.00 | 0.91 | 1.99 | 9.52 | 15.71 |
| 3 | 19.98 | 23.47 | 34.50 | 42.21 | 18.59 | 22.33 | 35.60 | 42.86 |
| 5 | 36.23 | 41.21 | 47.93 | 54.39 | 33.18 | 42.80 | 45.73 | 51.43 |
| 7 | 41.20 | 46.43 | 52.65 | 60.36 | 38.51 | 45.55 | 55.08 | 61.43 |
| 9 | 43.10 | 50.40 | 56.87 | 64.09 | 43.40 | 49.81 | 58.18 | 65.71 |
| 15 | 50.14 | 58.35 | 63.57 | 74.02 | 48.10 | 58.34 | 61.09 | 75.71 |
| 30 | 54.49 | 65.52 | 76.72 | 82.94 | 51.34 | 64.61 | 79.48 | 87.14 |
| 40 | 60.93 | 78.94 | 84.90 | 100.00 | 56.82 | 70.44 | 86.84 | 100.00 |