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## Supplementary information

Table S1. Secondary structure of samples prepared at different conditions

	Zein%	Dispersing flow rates	α-helix	β-sheet	random coil
Raw zein			49.6%±6.23%	20.20%±9.73%	30.23%±5.54%
Sample 3	2%	0.3 ml/hr	5.87%±1.80%	45.87%±2.45%	48.20%±1.25%
Sample 5	4%	0.2 ml/hr	7.87%±1.90%	44.10%±3.48%	48.00%±2.50%
Sample 7	6%	0.1 ml/hr	6.17%±0.70%	49.00%±1.51%	44.83%±0.75%

Figure S2: The SEM image of an ultra-cut microcapsule sample

