

# Supplementary Materials: Fabrication of Nano-silver–Silver Ion Composite Antibacterial Agents for Green Powder Coatings

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**Table S1.** Data sheet for Figure 5.

AgNPs(a)-Z		AgNPs(a)-M		AgNPs(b)-Z		AgNPs(b)-M	
Wash Cycle	R Value	Wash Cycle	R Value	Wash Cycle	R Value	Wash Cycle	R Value
1	5.65	1	5.81	1	5.23	1	5.15
2.5	5.51	2.5	5.74	3	5.13	2.5	5.11
5	5.15	3.5	5.30	6	4.67	6	4.95
7	4.85	7	4.73	7	4.33	8.5	4.71
10	4.55	10	4.53	10	3.54	10	4.20
12	4.17	11	4.17	12.5	2.97	12.5	3.66
15	3.42	14	3.68	15	1.94	15	2.72
18	2.55	15	3.21	20	1.08	17.5	2.20
20	2.35	17.5	2.84	-	-	20	1.78
-	-	20	2.25	-	-	-	-

**Table S2.** Data sheet for Figure 6.

Samples	Yellowish Color Difference
AgNPs(a)-Z	2.32
AgNPs(a)-M	2.18
AgNPs(b)-Z	3.38
AgNPs(b)-M	3.29

**Table S3.** Data sheet for Figure 7.

Samples	Gloss	Samples	Haze
Control	94.63	Control	19.58
AgNPs(a)-Z	81.49	AgNPs(a)-Z	28.96
AgNPs(a)-M	81.49	AgNPs(a)-M	24.78
AgNPs(b)-Z	84.48	AgNPs(b)-Z	30.54
AgNPs(b)-M	88.66	AgNPs(b)-M	27.19