TABLE 2

Table 2 Agglomeration of AlĲOH)3-coated TiO2 ENM before and after SPW treatment. Untreated: Al(OH)3-coated TiO2 ENM not treated with SPW; 45

min, 1 day, 3 day, and 14 day represent Al(OH)3-coated TiO2 ENM treated with SPW for the indicated time periods, respectively

Aging

Time

% count by volume % count by intensity Z Average

<100 nm 100–500 nm 500–1000 nm >1000 nm <100 nm 100–500 nm 500–1000 nm >1000 nm size (nm) PDI

Untreated 0 0 0.7 99.3 0 0 2 98 3074 0.434

45 min 0 0 0.3 99.7 0 0 0.9 99.1 3048 0.433

1 day 0 0 81.6 18.4 0 0 83.9 16.1 4453 0.454

3 days 0 0 21.7 78.3 0 0 24.7 75.3 3589 0.334

14 days 0 0 0 100 0 0 0 100 3302 0.317