CLAIMS

1. A nanobubble-containing inorganic oxide fine particle dispersion comprising:
inorganic oxide fine particles having an average particle size of 1 to 500 nm and containing fine particles containing Ce; and
nanobubbles having an average cell size of 50 to 500 nm and being at least one non-oxidizing gas selected from a group consisting of N_2 and H_2;
wherein, if streaming potential of the dispersion is taken as V2 [mV] when solid concentration is 0.005 mass% and pH is adjusted to 4.5, and, if the streaming potential of the dispersion when the nanobubbles are removed is taken as V1 [mV] when the solid concentration is 0.005 mass%, and the pH is adjusted to 4.5, a streaming potential difference $\Delta V = V1 - V2$ is at least 10 mV.

2. The nanobubble-containing inorganic oxide fine particle dispersion according to claim 1, comprising at least 10^5 cells/mL nanobubbles.

3. The nanobubble-containing inorganic oxide fine particle dispersion according to claim 1 or claim 2, wherein the inorganic oxide fine particles are silica ceria composite fine particles.

4. The nanobubble-containing inorganic oxide fine particle dispersion according to any one of claims 1 to 3, wherein ceria content in the silica ceria composite fine particles is at least 10 mass%.

5. The nanobubble-containing inorganic oxide fine particle dispersion according to any one of claims 1 to 4, wherein content of monovalent anions to a total surface area ($4\pi r^2N$) obtained from the average cell size (r) and the average number of cells (N) of the nanobubbles, assuming that the nanobubbles are spheres, is less than 8.8×10^{-6} mol/m^2.

6. The nanobubble-containing inorganic oxide fine particle dispersion according to any one of claims 1 to 5, wherein content of divalent anions to a total surface area ($4\pi r^2N$) obtained from the average cell size (r) and the average number of cells (N) of the nanobubbles, assuming that the nanobubbles are spheres, is less than 4.4×10^{-6} mol/m^2.

7. An abrasive comprising the nanobubble-containing inorganic oxide fine particle dispersion according to any one of claims 1 to 6.