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## Abstract



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A titania film-coated powder comprising a base particle having provided thereon at least one titania film, wherein the base particle is coated with the titania film by suspending the base particle in a buffer solution having a pH of from 7.0 to 12.0 to obtain a suspension, and adding a hydrogen peroxide-ammonia mixture solution containing peroxotitanic acid to the suspension to thereby regulate a titania deposition reaction induced by decomposition of the peroxotitanic acid in the suspension.