

A method for the modification of pigment titanium dioxide includes treatment thereof in aqueous suspension while heating by alkaline silicon compound, neutralization of the obtained suspension with water-soluble acid compound, incorporation of the excess of the latter compound and subsequent neutralization of sodium aluminate with sodium alkaline solution. The treated titanium dioxide is washed of water-soluble salts, then triethanol amine is added to the washed paste, dried out and milled. The obtained modified pigment titanium dioxide has high indexes of quality, in particular the mass particle of water-soluble substances has a value of no more than 0.13 %, and photochemical activity is equal to 0.6.