

## INVESTIGATIONS OF NANOSTRUCTURE OF THERMAL OXIDES ON ALUMINIUM

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The work is concerned with the nanostructure of thermal oxides arising on the surface of aluminium with a content of pure metal not less than 99,992%. For the first time, morphology of the surface was obtained in the form of small crystallites with a size of 40-60 nm growing from amorphous matrix. Similarity between segregation substructure of aluminium and cell nanostructure of amorphous oxide was determined as well.