

The invention relates to metallurgy, namely to the methods for estimation of quality of steel articles, mainly carbon steel hot-rolled rod. A method includes sampling ready rod and determination of indices of metal structure quality. According to the invention quality of the metal structure is determined by pearlite dispersion, which is characterized by interlamellar spacing, on the base of results of measurements of depth of decarburized layer. Technical result achieved due to use of the invention consists in possibility of increasing operability of estimation of quality of steel articles under changing production conditions with high accuracy of determination of indices of metal structure quality.