

Selection an optimal basis for medical pencils with yodopiron

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Abstract

The article presents the results of the research in developing the optimal composition and technology of medical pencils containing yodopiron, as an antiseptic. The dependence of spreadability and the relative number of hardness on the ratio of base components has been determined. The composition of medical pencil comprising 65% low molecular weight polyethylene, 12% vaseline oil, 8% paraffin, 5% pentols, 5% purified water and 5% yodopiron is recommended. This combination of base components in combination with a pharmacologically active yodopiron has a neutral reaction, provides good adhesion to the skin and mucous membranes with optimum hardness of a pencil.