

of the top and the insole, the sole, the sole and the insole, the welt together with the sole, with the insole and sole), holding strengths of welt with upper and lower details, plantar bonds and heel bindings.

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UDC 004.9:677.11.021.16/.022:658.652

COMPARATIVE ANALYSIS OF FLAX FIBER PROPERTIES

СРАВНИТЕЛЬНЫЙ АНАЛИЗ СВОЙСТВ ЛЬНЯНОГО ВОЛОКНА

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Key words: flax fiber, information system, quality control, quality indicators.

Ключевые слова: льняное волокно, информационная система, контроль качества, качественные показатели

Abstract. Using the information system of quality control the possibility of using oilseed flax fibers for the production of linen textile materials was investigated.

Аннотация. С использованием информационной системы контроля качества была исследована возможность использования волокон масличного льна для производства льняных текстильных материалов.

Improving quality and expanding the range of textile materials is one of the topical tasks of the industry of the Republic of Belarus. RUPTP «Orsha Linen Mill» is the biggest enterprise in Eastern Europe, which processes flax fiber and produces linen

fabrics. Specialists of Vitebsk State Technological University have developed an information system for quality control of flax fiber, which is used in production processes of the linen mill [1].

One of the important tasks to expand the raw material base for the flax processing industry is the use of oilseed flax fiber. Stems of oil flax as well as stems of short fiber flax include bast pieces of cellulosic fibers. With a certain technological processing of oil flax stems, it is possible to extract textile fibers with physical and mechanical properties which satisfy the requirements of the industry for the manufacture of textile products for various purposes [2].

Using the information system of quality control of the RUPTP «Orsha Linen Mill», based on data on the physical and mechanical properties of the Belarusian short fiber of the crop in 2016, were analyzed the physical and mechanical properties of the fibers of the Ukrainian flax oilseed. The fibers were extracted using the technology proposed by the specialists of Kherson National Technical University. The physical and mechanical properties of individual oilseed flax fiber samples satisfy the requirements for a short flax fiber for the production of pure flax yarn for bagging and wrapping fabrics, linear densities from 220 to 600 Tex.

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UDC 004:677.001.7

IMPROVING THE COMPETITIVENESS OF TEXTILES

УЛУЧШЕНИЕ КОНКУРЕНТОСПОСОБНОСТИ ТЕКСТИЛЬНЫХ ИЗДЕЛИЙ

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Key words: *information system of quality control, textile materials, production efficiency.*

Ключевые слова: *информационная система контроля качества, текстильные материалы, эффективность производства.*