

685.34.035.5; 675.02; 675.03

Проведено комплексний аналіз чинників формування якості та безпечності натуральних шкір для верху дитячого взуття. Проаналізовано вплив шкіряної сировини та технологічних етапів виготовлення натуральних шкір на показники якості та безпечності готових шкір. Запропоновані шляхи вибору шкіряної сировини та коригування технологічних параметрів виробництва натуральної шкіри при використанні ресурсозберігаючих та екологічно орієнтованих технологій.

Ключові слова: взуттєві матеріали, натуральна шкіра, шкіряна сировина, методи консервування, етапи виготовлення натуральної шкіри, якість натуральної шкіри, безпечність шкіри.

M.P. ZHALDAK, O.R. MOKROUSOVA
Kyiv National University of Trade and Economics

FACTORS OF FORMING QUALITY AND SAFETY OF LEATHER FOR TOP CHILDREN'S SHOES

The aim of the article is to study the components of forming quality and safety of leather for children's shoes for selection of leather raw materials and improvement process. The raw material for the production of leather for the top of children's shoes is the skins of cattle, for the interior details of the footwear used lining skins from hides of pigs. Many factors contribute to the formation of skin properties, including the species and breed of animals, their age, sex, conditions of maintenance and feeding, the nature and quality of primary processing of raw materials, etc. The main factor that directly forms the indicators of quality and safety of genuine leather for children's shoes is the technological process. With the help of the technological process, animal skins are transformed into natural skin, structure of collagen of the dermis is formed, the skin acquires high physical, mechanical and hygienic properties inherent to it, in comparison with other materials, making it the most promising shoe material, including for making shoes for the baby. Technological treatments for the production of the skin are divided into liquid processes (carried out in a water environment using chemical materials) and mechanical operations (changing the form of the processing structure of the dermis). Which have a number of rates and clear boundaries, the failure to which can lead to a number of defects of the leg, semi-finished or finished leather for children's shoes. A comprehensive approach to solving the issues of creating the quality and safety of leather for children's shoes should be based on a targeted selection of leather raw materials and adjustments to the technological process of production of leather and the use of resource-saving and environmental technologies.

Key words: shoe materials, leather, leather raw materials, preservation methods, stages of manufacturing of leather, quality of leather, skin safety.

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60 %

50 % – ; 20 % – ; 4,5

%

10 %

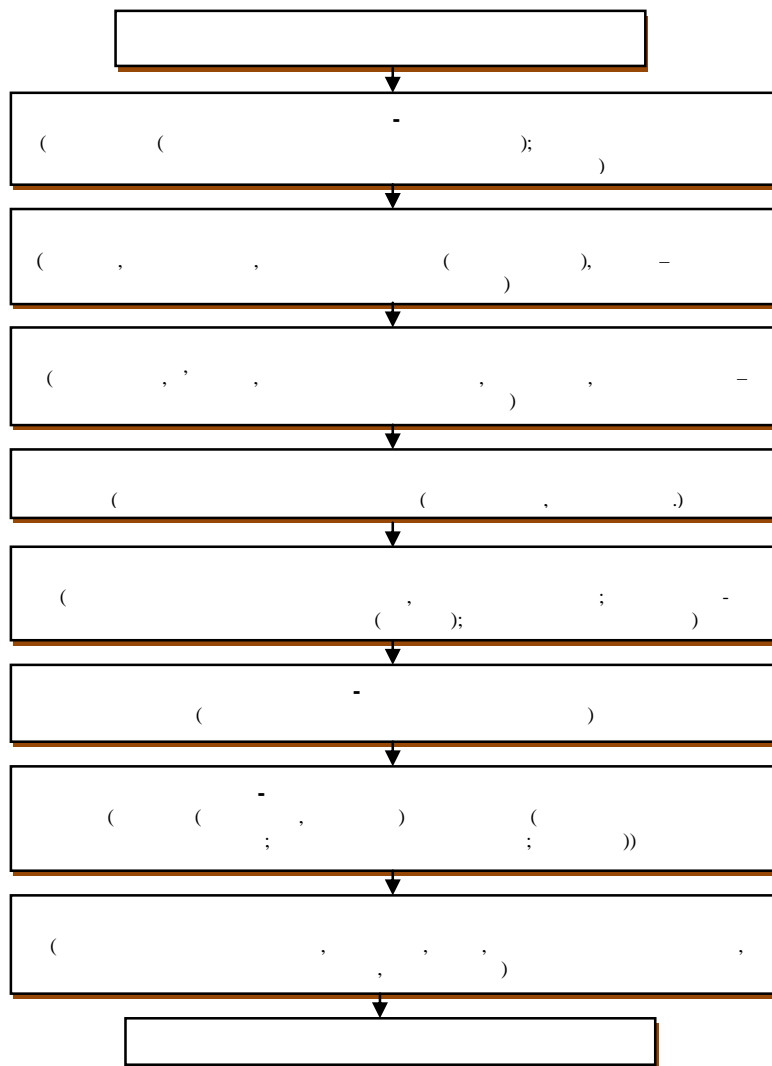
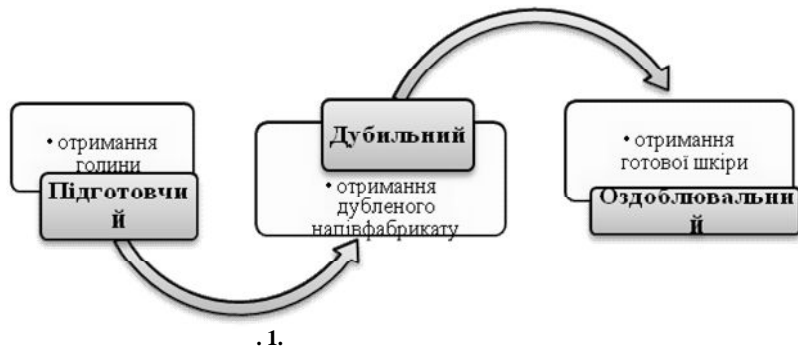
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– 20 % [1].

[1–5]

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1.		27-29	23-26
2.		5,0-8,0*	7,5-10,0**
3.		1,5-4,0	1,3-1,5
4.		4,0-5,0	=11,5-12,5
5.	, %	0,3-0,5; 0,5	(64 %) 3,7-4,2; - 1,2-1,4; (65%) - 1,2-1,4
6.			
7.			

* 1 – - 5,0-6,0 ; - 6,0-7,0 ; 7,0-8,0 ;
 ** 2 – - 7,5-8,0 ; - 8,0-9,0 ; 9,0-10,0 .

[4].

12

		/			
1.	'	27,37 – 25- – 35-	35-37	20-22	20-22
2.	'	1,0-1,5	1,0-1,5	3,0- 6,0-7,0	10-12
3.		1,2	1,2	0,6-1,0	0,7-0,8
4.	'	7,0-8,3	' – 7,8-8,5	3,5-4,5	3,8- 4,2
5.	, %	2,5-3,5	600 . /) – 0,02-0,03 3 (/) – 0,2	6-7; (85%) - 0,3 0,6; (100%) - 0,7-0,8 0,8-1,2	(36-42%) - 1,7-2,0 Cr ₂ O ₃ ; - 0,25 0,4-0,5.
6.					
7.		-	-	' - '	- ()

- (0,4-0,6) - ;
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1.		32-35	32-35	35-40	20-23 55-60	55-60
2.		1,5-2,0	1,0	1,5-2,0	1,5-3,0	1,5-2,0
3.		0,8-1,0	1,5-2,0	0,8-1,0	2,0-2,5 2,5-3,0	0,8-1,5
4.		3,5-4,5	5,0-6,0	6,5-7,0	3,5-5,5**	7,8-8,2
5.	, %	36-42% Cr ₂ O ₃ ; - 0,1.	- 0,6-1,0; - 0,6-1,0	4,0-5,0	1,5-4,0; (85%) - 1,0-1,8 (60%) - 1,5-2,0	(100%)*
6.						
7.						

* 1 - - 3,4-4,0 % (); 4,0-4,5 % (); 4,5-5,5 % ();
- 4,0-4,5 % (); 4,5-5,0 % (); 5,5-6,0 % ().

** 2 - 1:1 - 3,5-4,5. 4,5-5,0; 1:2 - 5,0-5,5;

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