ERRATUM

Erratum to: De-oiled neem cake as potential bio-additive for low-salt raw skin preservation: a process for salinity reduction in tanneries

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In the original publication of the article unfortunately a part of Table 11 (in the Appendix) was omitted. The correct and complete version of Table 11 is given on the next page.

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Table 11 Process description for processing cured goat skins into leather

Process	Quantity	Product	Duration	Remarks
Soaking I (skin weight 333 g)	300 % (1 l)	Water	30 min	Float was drained and aliquot was tested for TDS
	0.5 % (5 g/l)	Wetting agent		
Soaking II	300 % (1 l)	Water	Left overnight	Float was drained and aliquot was tested for TDS
	0.1 (1 g/l)	Preservative		
	0.5 % (5 g/l)	Wetting agent		
Next day washing	200 % (650 ml)	Water		
Liming (skin weight 320 g)	25 % (80 ml)	Water	Left overnight	Paint prepared and applied on flesh side
	10 % (400 g/l)	Lime		
	3 % (120 g/l)	Sodium sulphide		
	0.5 % (20 g/l)	Wetting agent		
Unhairing				Next day the hair was removed over beam
Reliming (skin weight 250 g)	200 % (500 ml)	Water	Left for 2 days	
	5 % (25 g/l)	Lime		
Fleshing				The limed pelts were fleshed and taken for washing
Washing	200 % (500 ml)	Water	10 min	
Deliming (skin weight 200 g)	150 % (300 ml)	Water	Run for 1 h	Washed and drained pH 8–8.5
	1 % (6.66 g/l)	Ammonium chloride		
	1 % (6.66 g/l)	Bating agent		
Washing	100 % (150 ml)	Water	10 min	
Pickling (skin weight 150 g)	80 % (120 ml)	Water		pH 2.8–3
	8 % (100 g/l)	Sodium chloride	Run for 15 min	
	1 % (12.5 g/l)	Formic acid	3 × 10 min, run for 10 min	
	0.5 % (6.25 g/l)	Sulphuric acid	4 × 15 min, run for 1 h	
Next day the pelts drummed for 30 min pH at cross section adjusted to 2.8–3.0. Then 50 % of pickle bath drained				
Chrome tanning	8 % (120 g/l)	Basic chromium sulphate (BCS)	2 × 30 min	Check for penetration in cross section
	0.5 % (5 g/l)	Sodium formate	10 min	
	1 % (10 g/l)	Sodium bicarbonate	3 × 20 min, run for 1 h	Check the pH to be 3.8–4. Drain the bath and pile overnight
Next day sammed and shaved to 1.0 mm. The shaved weight noted				
Washing	200 % (300 ml)	Water	10 min	Drain
Neutralization	150 % (225 ml)	Water		pH 5–5.5
	0.5 % (3.33 g/l)	Sodium formate	10 min	
	0.5 % (3.33 g/l)	Sodium bicarbonate	3 × 10 min + 1 h	
Washing	100 % (150 ml)	Water	10 min	
Dying and fatliquoring	100 % (150 ml)	Water		
	2 % (20 g/l)	Dye		pH 3.5
	10 % (100 g/l)	Fatliquor	1 h	Drain/wash/drain/pile over night/next day hooked to dry
	8 % (80 g/l)	Syntan	45 min	
	1 % (10 g/l)	Formic acid	3 × 5 min + 40 min