DATA SHEET

TESTED FOR	RESULT	CONFIRM TO DIN
Lightfastness:	5	54004
Possible color change:		
Abrasion values:	**Level:**	
Dry	1 - 2	53339
Wet	2 - 3	
Perspiration	2	
Permanent folding behavior: 20.000 bucklings	passed	53340
Tensile strength: 20 N/mm	passed	53329
Burning behavior: EN1021 part I u. II	passed	

Detaillied information about light fastness, abrasion values, skin tollernace and burning behaviour can be found at: www.vegetable-tanned-leather.com/data-and-facts.html

Tested for
Heavy metals, aniline, preservers
(Conducted by the German Institute of Environment in Bremen, 2014)

BLACK 100

Color: Black 100
Collection: Velour
Thickness: 1,4 - 1,6 mm

* Valid only for skins from eco farming
(Please ask for availability)

DATA SHEET

Results of the examination for aniline

Parameter	H 8589 FI-1 Ecopell 100 Black KW 50 ST (mg/kg)	NG (mg/kg)	Requirements IVN Leather (mg/kg)
Aniline	18	5	60*

* Sum limit for further amines going beyond European legislation
(2,4 Xylidine, N,N. Dimethylaniline, 5-Chlorine-o-toluidine, p-Phenylenediamine and Aniline)

Results of the examination for heavy metals

Heavy metals	H 8589 FI-1 Ecopell 100 Black KW 50 ST (mg/kg)	BG (mg/kg)	Requirements IVN Leather (mg/kg)
Antimony	<0,5	0,5	1
Aluminium	<10	10	500
Arsenic	<0,5	0,5	1
Lead	<0,5	0,5	1
Cadmium	<0,2	0,2	0,2
Chrome	18	1	50
Cobalt	<1	1	5
Mercury	<0,1	0,1	0,2
Nickel	<1	1	5
Titanium	<10	101	500
Zirconium	<5	5	500

BG = limit of determination | NG = detection limit | mg/KG = milligram per kilogram | nn = not detected

DATA SHEET

Ecopell

Results of the examination for preservers

Parameter	H 8589 FI-1 Ecopell 100 Black KW 50 ST (mg/kg)	BG (mg/kg)	Requirements IVN Leather (mg/kg)
Chlorophenols, phenol and triclosan			
Phenol 2-Methylphenol 4-Methylphenol	10 nn nn	2 2 2	∑ 25
p-Phenylphenol Triclosan Tribromophenol 4-Chlorphenol 2,4-Dichlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,3,5,6-/2,3,4,6-Tetrachlorophenol 2,3,4,5-Tetrachlorophenol	nn nn nn nn nn nn nn nn nn	1 2 1 1 1 1 1 1 1	∑ 5
o-Phenylphenol (oPP) 4-Chloro-3-Methylphenol (CMP)	0,6 1,4	0,5 0,5	∑ 100*
Pentachlorophenol	nn	0,5	0,5
Isothiazolinones			
2-Octyl-4-Isothiazolin-3-one (OIT) Thiocyanomethylthiobenzothiazole (TCMTB)	nn nn	5 5	∑ 100*

* = According to IVN maximum sum of conservers oPP, CMP, OIT, TCMTB und MBTC

BG = limit of determination | NG = detection limit | mg/KG = milligram per kilogram | nn = not detected