

DATA SHEET



TESTED FOR	RESULT	CONFIRM TO DIN	BLACK 100
Lightfastness:	5	54004	 Color: Black 100 Collection: Velour Thickness: 1,4 - 1,6 mm
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)			

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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

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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	10	2	Σ 25
2-Methylphenol	nn	2	
4-Methylphenol	nn	2	
p-Phenylphenol	nn	1	Σ 5
Triclosan	nn	2	
Tribromophenol	nn	1	
4-Chlorophenol	nn	1	
2,4-Dichlorophenol	nn	1	
2,4,5-Trichlorophenol	nn	1	
2,4,6-Trichlorophenol	nn	1	
2,3,5,6-/2,3,4,6-Tetrachlorophenol	nn	1	
2,3,4,5-Tetrachlorophenol	nn	1	
o-Phenylphenol (oPP)	0,6	0,5	Σ 100*
4-Chloro-3-Methylphenol (CMP)	1,4	0,5	
Pentachlorophenol	nn	0,5	0,5
Isothiazolinones			
2-Octyl-4-Isothiazolin-3-one (OIT)	nn	5	Σ 100*
Thiocyanomethylthiobenzothiazole (TCMTB)	nn	5	

* = 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