

DATA SHEET



TESTED FOR	RESULT	CONFIRM TO DIN	GRUFTI 836
Lightfastness:	3+	54004	 Color: Grufti 836 Collection: Nappa Thickness: 1,4 - 1,6 mm
Possible color change:			
Abrasion values:	Level:		
Dry	4 - 5	53339	
Wet	4-		
Perspiration	3 - 4		
Permanent folding behavior: 20.000 bucklings	passed	53340	
Tensile strength: 20 N/mm	passed	53329	
Burning behavior: y 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 (Conducted by the German Institute of Environment in Bremen, 2013)			

DATA SHEET



Results of the examination for aniline

Parameter	H 8094 FL-2 Ecopell 836 Grufti KW 41 (mg/kg)	NG (mg/kg)	Requirements IVN Leather (mg/kg)
Aniline	nn	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 8094 FL-2 Ecopell 836 Grufti KW 41 (mg/kg)	BG (mg/kg)	Requirements IVN Leather (mg/kg)
Antimony	<0,5	0,5	1
Aluminium	50	10	500
Arsenic	<0,5	0,5	1
Lead	<1	0,5	1
Cadmium	<0,2	0,2	0,2
Chrome	13	1	50
Cobalt	<1	1	5
Mercury	<0,1	0,1	0,2
Nickel	<1	1	5
Titanium	10	10	500
Zirconium	<5	5	500

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