

DATA SHEET



TESTED FOR	RESULT	CONFIRM TO DIN
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HAPPY MONK 182

Lightfastness:	2+	54004
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Possible color change:



Abrasion values:	Level:	
Dry	4 - 5	
Wet	4 - 5	53339
Perspiration	4-	

Permanent folding behavior: 20.000 bucklings	passed	53340
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Tensile strength: 20 N/mm	passed	53329
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Burning behavior: y EN1021 part I u. II	passed
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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, 2015)



Color: Happy Monk 182
Collection: Nappa
Thickness: 1,4 - 1,6 mm

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Results of the examination for aniline

Parameter	K 2407 FL-3 Ecopell 182 Happy Monk KW 20 (mg/kg)	NG (mg/kg)	Requirements IVN Leather (mg/kg)
Aniline	4	3	≤ 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	K 1360 FL-1 Ecopell 182 Happy Monk KW 11 (mg/kg)	BG (mg/kg)	Requirements IVN Leather (mg/kg)
Antimony	<0,5	0,5	1
Aluminium	60	10	500
Arsenic	<0,5	0,5	1
Lead	<0,5	0,5	1
Cadmium	<0,2	0,2	0,2
Chrome	9	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