DATA SHEET

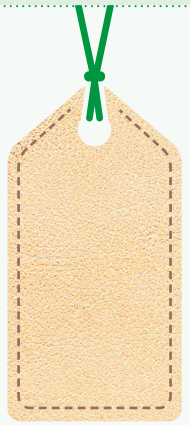
Ecopell

TESTED FOR	RESULT	CONFIRM TO DIN
Lightfastness:	4-	54004
Possible color change:	gets lighter	
Abrasion values:	**Level:**	
Dry	5	53339
Wet	5	
Perspiration	5	
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, biocides
(Conducted by the German Institute of Environment in Bremen, 2013)

TARA 361



Color: Tara 361
Collection: Nappa
Thickness: 1,4 - 1,6 mm

IVN ZERTIFIZIERT NATURLEDER

bio kreis

Optional and only subject to availability. Please ask explicitly.

DATA SHEET

Results of the examination for heavy metals

Heavy metals	G 8079 FL-5 Ecopell 361 Tara (mg/kg)	BG (mg/kg)	Requirements IVN Leather (mg/kg)
Antimony	<1	1	1
Aluminium	50	10	500
Arsenic	<1	1	1
Lead	<1	1	1
Cadmium	<0,2	0,2	0,2
Chrome	11	1	50
Cobalt	<1	1	5
Mercury	<0,2	0,2	0,2
Nickel	<1	1	5
Titanium	<20	20	500
Zirconium	<1	1	500

Results of the examination for preservers

Parameter	K 5304 FL - 1 Ecopell 361 Tara (mg/kg)	BG (mg/kg)	Requirements IVN Leather (mg/kg)
Chlorophenols, phenol and triclosan			
Phenol 2-Methylphenol 4-Methylphenol	3 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 3 1 1 1 1 1 1 1	∑ 5
o-Phenylphenol (oPP) 4-Chloro-3-Methylphenol (CMP)	nn nn	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

DATA SHEET

Results of the examination for biocides

Parameter	H 7439 FL Ecopell 361 Tara KW 14 (mg/kg)	NG (mg/kg)	Requirements IVN Leather (mg/kg)
Organophosphoricides			
Malathion	nn	0,2	–
Parathion-ethyl	nn	0,2	–
Pyrethroids			
Delamethrin	nn	0,2	–
Permethrin	nn	0,2	–
Organochloro-Pesticides			
Pentachlorophenol	nn	0,1	0,5
α-HCH	nn	0,1	–
β-HCH	nn	0,1	–
γ-HCH	0,3	0,1	–
ε-HCH	nn	0,1	–
Endosulfan	nn	0,1	–
Hexachlorobenzene	nn	0,1	–
Heptachlor	nn	0,1	–
Heptachloro-epoxide	nn	0,1	–
Dieldrin	nn	0,1	–
Methoxychlor	nn	0,1	–
Chlorothalonil	nn	0,1	–
Tolylfluanid	nn	0,1	–
Dichlofluanide	nn	0,1	–
DDT			
o,p-DDE	nn	0,3	–
p,p-DDE	nn	0,3	–
o,p-DDD	nn	0,3	–
p,p-DDD	nn	0,3	–
o,p-DDT	nn	0,3	–
p,p-DDT	nn	0,3	–
Sum DDT[1)]			
PCB 28	nn	0,1	–
PCB 52	nn	0,1	–
PCB 101	nn	0,1	–
PCB 138	nn	0,1	–
PCB 153	nn	0,1	–
PCB 180	nn	0,1	–
Sum PCB[2)]	**nn**		
Others			
Piperonyl butoxide	nn	0,2	–
Pyrethrum	nn	Σ	–
Total biocides	**0,3**		**1**

1) The data for the DDT total content are used as buzzers for the DDT isomers and their degradation products

2) The total PCB content is given as a 5-fold sum of the PCB congeners 28, 52, 101, 138, 153 and 180 in milligram per kilogram (mg / kg) according to the former LAGA convention

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