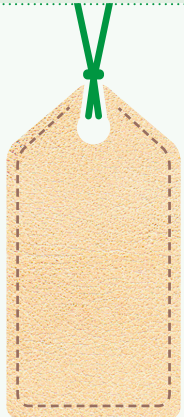


DATA SHEET



TESTED FOR	RESULT	CONFIRM TO DIN	TARA 361
Lightfastness:	4-	54004	 Color: Tara 361 Collection: Nappa Thickness: 1,3 - 1,5 mm
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)			

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	3	2	Σ 25
2-Methylphenol	nn	2	
4-Methylphenol	nn	2	
p-Phenylphenol	nn	1	Σ 5
Triclosan	nn	3	
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)	nn	0,5	Σ 100*
4-Chloro-3-Methylphenol (CMP)	nn	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

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 DDT¹⁾			
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 PCB²⁾			
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