
eyand®
Green
2021
Eyand Green

Eyand, ecologic yarn and natural dye, has a new color palette: **Eyand Green**. This palette offers clean and bright colors that are made using plant based elements, free of chemicals, and with color fastness levels that reach the UNE-EN 150 10T-b02: 2021 standard.

Eyand Green processes peels of fruits, flower petals, barks from trees, roots, and produces cotton garments dyed by a truly innovative system. It provides the market and our customers what they are demanding: comfortable, fresh, and sustainable clothing that contributes to create a greener world.

The finishing of the garment is done by a polishing process with organic molecules that cleans the cotton fabric from any impurities and lengthens their useful life. To soften the hand of the garments we use softeners based on vegetable oils from Aloe Vera, providing a fresh, healthy and very soft hand.

The **Eyand** process is associated with a 100% ecological identity:

- We generate our own solar energy using photovoltaic panels.
- We re-use 45% of the water up to 100 times through a multi-tank system.
- We collect rainwater using pipes and tanks.

All of this helps us save around 50% on water and energy, which comes out to using 10 liters less of water per garment produced, in comparison with conventional dyeing processes.

The discarded water at the end of the process is still free of chemicals. It goes directly to a treatment plant that takes the mud away and brings the water, completely purified, back to the environment.

Base Colors

Reference	4003 LI	8013 MN	3005 AZ	6005 AM	8017 MN	5006 RJ	6004 AM
Color							
Obtain the material	Grinding / Extraction / Drying	Grinding / Extraction / Drying	Grinding / Extraction / Drying	Grinding / Extraction / Drying	Grinding / Extraction / Drying	Grinding / Extraction / Drying	Grinding / Extraction / Drying
Origin	**Kerria Lacca** Waste lac mud wich production flow chart	**Acacia Catechu** Waste by product of Kththa (Catechu)	**Indigofera Tinctoria** Leaf indicted	**Quercus Infectoria** Fruit	**Punica Granatum** Pomegranate fruit rind	**Rubia Cardifolia** Plant roots	**Tegetas Erecta** Marigold & Butea monosperma flowers

Eyand | 1 *vs* GOTS | 2 *vs* Clear to wear | 3 *(ppm)*

Chemical	1	2	3	Chemical	1	2	3	Chemical	1	2	3	Chemical	1	2	3	Chemical	1	2	3	Chemical	1	2	3	Chemical	1	2	3
Arylamines	ND	20	20	Arylamines	ND	20	20	Arylamines	ND	20	20	Arylamines	ND	20	20	Arylamines	ND	20	20	Arylamines	ND	20	20	Arylamines	ND	20	20
Formaldehide	ND	16	75	Formaldehide	ND	16	75	Formaldehide	ND	16	75	Formaldehide	ND	16	75	Formaldehide	ND	16	75	Formaldehide	ND	16	75	Formaldehide	ND	16	75
PAH's	ND	5	10	PAH's	ND	5	10	PAH's	ND	5	10	PAH's	ND	5	10	PAH's	ND	5	10	PAH's	ND	5	10	PAH's	ND	5	10
APEO's	ND	20	100	APEO's	ND	20	100	APEO's	ND	20	100	APEO's	ND	20	100	APEO's	ND	20	100	APEO's	ND	20	100	APEO's	ND	20	100
Phthalates	ND	100	ND	Phthalates	ND	100	ND	Phthalates	ND	100	ND	Phthalates	ND	100	ND	Phthalates	ND	100	ND	Phthalates	ND	100	ND	Phthalates	ND	100	ND
Allergens	ND	30	ND	Allergens	ND	30	ND	Allergens	ND	30	ND	Allergens	ND	30	ND	Allergens	ND	30	ND	Allergens	ND	30	ND	Allergens	ND	30	ND
Pesticidas	ND	0,1	ND	Pesticidas	ND	0,1	ND	Pesticidas	ND	0,1	ND	Pesticidas	ND	0,1	ND	Pesticidas	ND	0,1	ND	Pesticidas	ND	0,1	ND	Pesticidas	ND	0,1	ND
PCCC	ND	50	ND	PCCC	ND	50	ND	PCCC	ND	50	ND	PCCC	ND	50	ND	PCCC	ND	50	ND	PCCC	ND	50	ND	PCCC	ND	50	ND
Organotin compounds	ND	0,05	100	Organotin compounds	ND	0,05	100	Organotin compounds	ND	0,05	100	Organotin compounds	ND	0,05	100	Organotin compounds	ND	0,05	100	Organotin compounds	ND	0,05	100	Organotin compounds	ND	0,05	100
Metals	**1**	**2**	**3**	**Metals**	**1**	**2**	**3**	**Metals**	**1**	**2**	**3**	**Metals**	**1**	**2**	**3**	**Metals**	**1**	**2**	**3**	**Metals**	**1**	**2**	**3**	**Metals**	**1**	**2**	**3**
Cadmium	ND	45	75	Cadmium	ND	45	75	Cadmium	ND	45	75	Cadmium	ND	45	75	Cadmium	ND	45	75	Cadmium	ND	45	75	Cadmium	ND	45	75
Lead	ND	0,2	90	Lead	ND	0,2	90	Lead	ND	0,2	90	Lead	ND	0,2	90	Lead	ND	0,2	90	Lead	ND	0,2	90	Lead	ND	0,2	90
Mercury	ND	0,02	0,02	Mercury	ND	0,02	0,02	Mercury	ND	0,02	0,02	Mercury	ND	0,02	0,02	Mercury	ND	0,02	0,02	Mercury	ND	0,02	0,02	Mercury	ND	0,02	0,02
Chromium	ND	1	2	Chromium	ND	1	2	Chromium	ND	1	2	Chromium	ND	1	2	Chromium	ND	1	2	Chromium	ND	1	2	Chromium	ND	1	2
Nickel	ND	1	4	Nickel	ND	1	4	Nickel	ND	1	4	Nickel	ND	1	4	Nickel	ND	1	4	Nickel	ND	1	4	Nickel	ND	1	4
Arsenic	ND	0,2	1	Arsenic	ND	0,2	1	Arsenic	ND	0,2	1	Arsenic	ND	0,2	1	Arsenic	ND	0,2	1	Arsenic	ND	0,2	1	Arsenic	ND	0,2	1
Antimony	ND	0,2	30	Antimony	ND	0,2	30	Antimony	ND	0,2	30	Antimony	ND	0,2	30	Antimony	ND	0,2	30	Antimony	ND	0,2	30	Antimony	ND	0,2	30
Cobalt	ND	1	4	Cobalt	ND	1	4	Cobalt	ND	1	4	Cobalt	ND	1	4	Cobalt	ND	1	4	Cobalt	ND	1	4	Cobalt	ND	1	4
Copper	ND	25	50	Copper	ND	25	50	Copper	ND	25	50	Copper	ND	25	50	Copper	ND	25	50	Copper	ND	25	50	Copper	ND	25	50

Color fastness*

Physical	Color fastness	Physical	Color fastness	Physical	Color fastness	Physical	Color fastness	Physical	Color fastness	Physical	Color fastness	Physical	Color fastness
Artificial light	2/3	Artificial light	3/4	Artificial light	4/5	Artificial light	6	Artificial light	4	Artificial light	2/3	Artificial light	3/4
Wet rubbing	3	Wet rubbing	2/3	Wet rubbing	2/3	Wet rubbing	3/4	Wet rubbing	4	Wet rubbing	2/3	Wet rubbing	4/5
Dry rubbing	4/5	Dry rubbing	4	Dry rubbing	4	Dry rubbing	5	Dry rubbing	4	Dry rubbing	4	Dry rubbing	5
Water	4/5	Water	4/5	Water	4	Water	5	Water	4	Water	4/5	Water	4
Perspiration	4/5	Perspiration	4	Perspiration	4	Perspiration	5	Perspiration	4	Perspiration	4	Perspiration	4
Washing	4/5	Washing	3	Washing	4	Washing	5	Washing	4	Washing	3/4	Washing	4

Base Colors

All the data presented in the previous chart is supported by the tests 21-003618, 21-003620, 21-003621, 21-003622 of March 24, 2021; 21-005835, 21-005836 of May 14, 2021 and 21-006460 of May 26 available at request.

Color fastness values are all rated at 30 hours of sunlight exposure, as stipulated in the UNE-EN ISO 150-B02:2001 standard.

If you are interested in receiving the data from the analysis contact us.

*Test carried by **AmsLab**, certified by **ENAC**.*

ENSAYOS
Nº 1128 / LE 2140
Nº 1128 / LE 2472
Nº 1128 / LE 2473

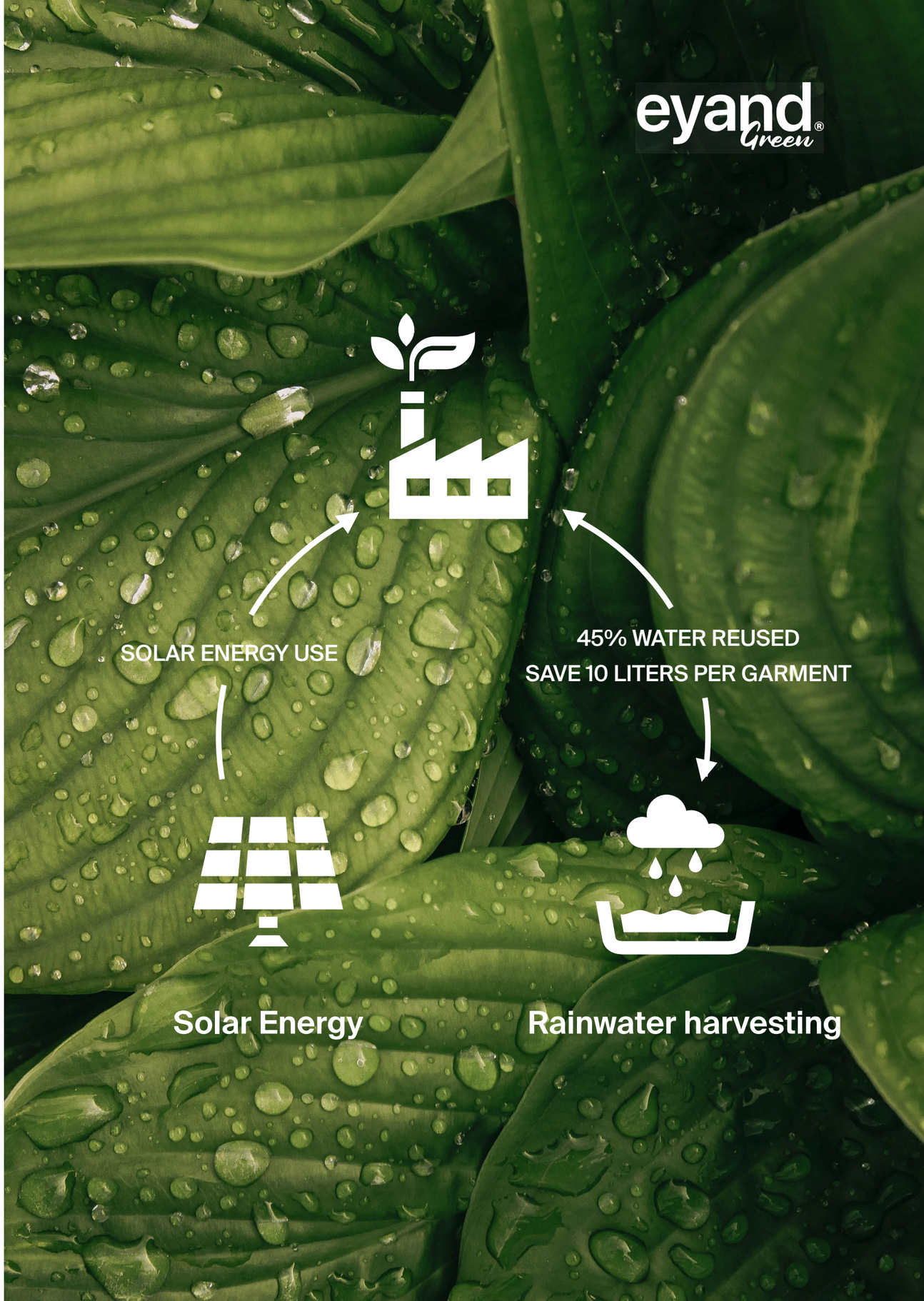
Eyand	Register N°	18115172
Oeko-Tex	Standard 100	2019OK1293 AITEX
GOTS	Register N°	210774
OEPM	Pattent N°	U201931403

Ecological Identity

100%
Ecological Identity

The multi-tank system and the photovoltaic panels allow us to **save 50% of energy and water, reusing it up to 100 times.**

The water discarded at the end of the process is **free of harmful substances and goes directly to a treatment plant that returns it clean to the environment.**

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