
eyand®
Earth
2021
Eyand Earth

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Eyand, ecologic yarn and natural dye, would like to introduce **Eyand Earth**: a new organic dyeing process certified by Oeko-Tex Standard 100 No. 2019OK1293, under patent No. U201931403 of 08/26/2019.

Eyand Earth uses minerals that come from the earth and can achieve high levels of color fastness with them. Garments dyed with this new color palette will not only be free of any harmful chemical for our health or the environment, they will also show levels of the parameters examined by the GOTS certification well below their minimums.

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 chemical-free water discarded at the end of the process goes directly to a treatment plant that removes the mud and return it to the environment in a completely clean condition.

Base Colors

eyand Earth®

Reference	1000 NG	2002 VD	2003 VD	3002 AZ	4001 LI	5000 RJ	6002 AM
Color							
Obtain the material	Mining and grinding mineral	Mining and grinding mineral	Mining and grinding mineral	Mining and grinding mineral	Mining and grinding mineral	Mining and grinding mineral	Mining and grinding mineral
Origin	Magnetite	Nickel Copper	Chromite	Glauberite Kaolin Silica Bauxite	Glauberite Kaolin Silica Bauxite	Hematite	Limonite

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	8	Artificial light	7	Artificial light	8	Artificial light	8	Artificial light	7	Artificial light	8	Artificial light	7/8
Wet rubbing	2/3	Wet rubbing	2/3	Wet rubbing	3/4	Wet rubbing	2/3	Wet rubbing	4	Wet rubbing	2/3	Wet rubbing	3
Dry rubbing	4	Dry rubbing	4/5	Dry rubbing	4/5	Dry rubbing	3	Dry rubbing	4/5	Dry rubbing	4/5	Dry rubbing	4/5
Water	4/5	Water	4/5	Water	5	Water	5	Water	5	Water	4/5	Water	4/5
Perspiration	4/5	Perspiration	4/5	Perspiration	5	Perspiration	5	Perspiration	5	Perspiration	4/5	Perspiration	4/5
Washing	4/5	Washing	4/5	Washing	5	Washing	4/5	Washing	5	Washing	4/5	Washing	5

Base Colors

All the data presented in the previous chart is supported by the tests 21-004866, 21-004869, 21-004873, 21-004874, 21-004872, 21-004870, 21-004871 of April 26, 2021 available at request.

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

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

amslab.

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

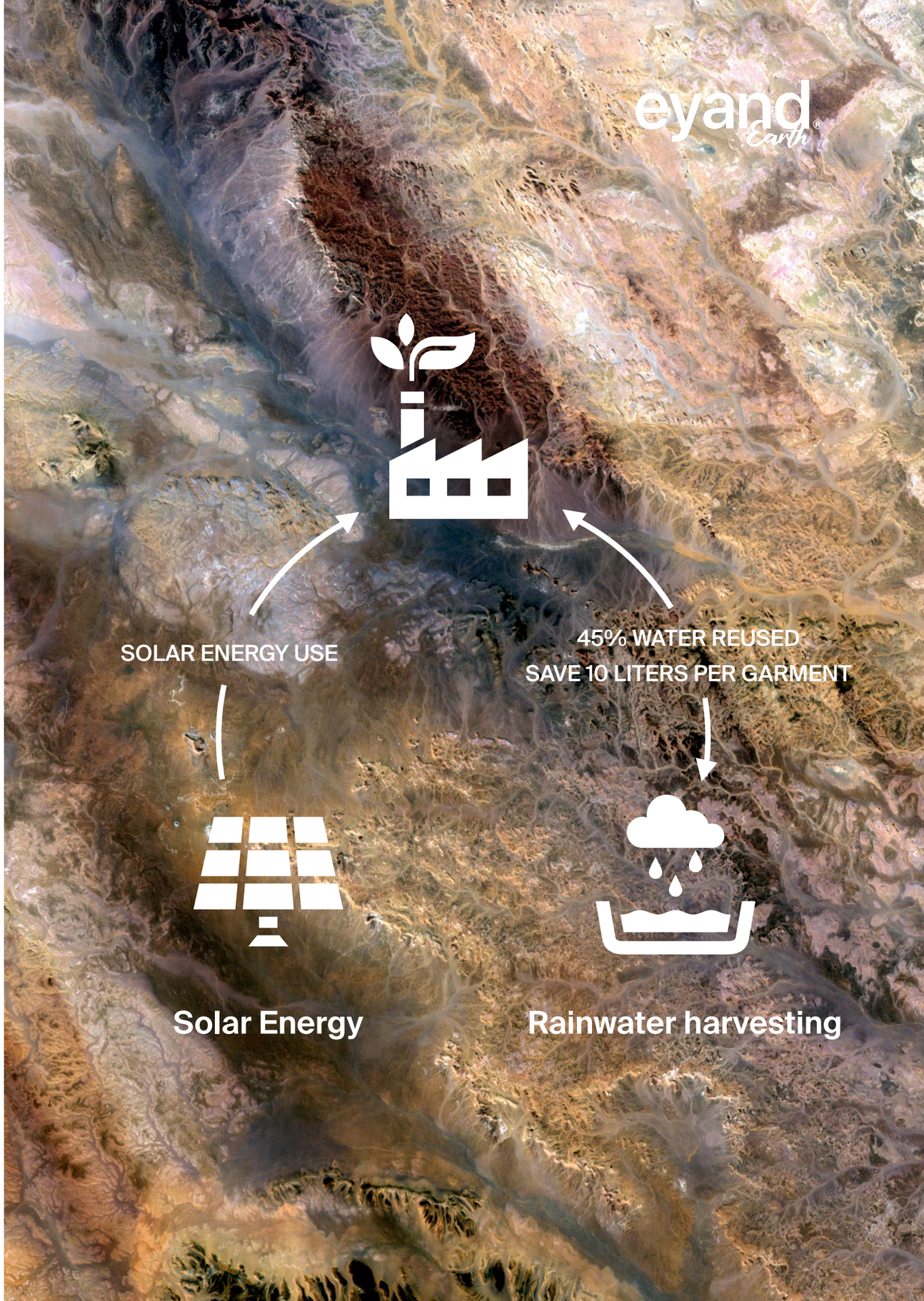
Eyand	Register N°	18115172	eyand Ecologic yarn and natural dye
Oeko-Tex	Standard 100	2019OK1293 AITEX	OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100 2019OK1293 AITEX Control de sustancias nocivas. www.oeko-tex.com/standard100
GOTS	Register N°	210774	GLOBAL ORGANIC TEXTILE STANDARD · GOTS ·
OEPM	Pattent N°	U201931403	Oficina Española de Patentes y Marcas

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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