

Processing Agent for Textile

Protect The Earth

– The future is in your hands –

Daiwa Chemical industries'

ECO PASSPORT

by OEKO-TEX®

Certified Products

OEKO-TEX®
INSPIRING CONFIDENCE
ECO PASSPORT 
NEP 1901 Nissenken

Textile and leather chemicals.
Tested and verified.
www.oeko-tex.com/ecopassport



DAIWA

Daiwa Chemical Industries Co., Ltd

ECO PASSPORT Certified products

More than 25 years have passed since STANDARD 100 by OEKO-TEX® started. More and more consumers consider safety and global environment. We launched "ECO PASSPORT by OEKO-TEX®" certified products out, to provide safety for our consumers.

Products	Ingredient	Ionicity	p H	Characteristics	Packing
SAUBERTAC NANO-20(E)	Metal oxide	Anionic	9	Deodorant for sweat odor	18 kg
UVS-327(E)	Benzotriazole	Nonionic	6.5	UV-Blocker, Sweat-light fastness improver	18 kg
UVS-75(E)	Benzotriazole	Anionic	6	UV-Blocker, Adaptable to Exhaustion	17 kg

What is OEKO-TEX® ?

From raw material to finished textile product, OEKO-TEX® has several certifications with regard to sustainability, safety and compliance with statutory regulations, at all processing levels throughout the textile processing chain.

With over 160.000 issued certificates for millions of labelled textile products, and over 10.000 participating companies along the textile chain, STANDARD 100 by OEKO-TEX® is the most widespread and best known label for textiles tested for harmful substances on a global level. The label therefore provides an important decision-making tool for purchasing textiles.

What is ECO PASSPORT ?

Many kind of chemical products such as dyes, auxiliaries and finishing agents are used to manufacture textiles.

ECO PASSPORT by OEKO-TEX® certifies the chemical products and each individual ingredient meet specific requirements with regard to sustainability, safety and compliance with statutory regulations.

OEKO-TEX®
INSPIRING CONFIDENCE
ECO PASSPORT 
NEP 1901 Nissenken

Textile and leather chemicals.
Tested and verified.
www.oeko-tex.com/ecopassport



Please read QR code.



Grouping of chemicals in ECO PASSPORT

Four groups referring to the function of textile chemicals are defined in ECO PASSPORT.

Group 1 Auxiliaries (3 categories, 37 subcategories)

Group 2 Colourants (8 categories, no subcategory)

Group 3 Finishing assistants (6 categories, 22 subcategories)

Group 4 Other textile chemicals (1 category, no subcategory)

Processing agents for textile are assigned to Group 4.

In this Group 4, only nine companies have ECO PASSPORT certified products.

Moreover in the Far East region, the companies which have such products are only five companies.

(Jul 2019)

DAIWA has Unique ECO PASSPORT product

Among the five companies in the Far East region, only two companies have ECO PASSPORT certified deodorant agents. One of the two companies is DAIWA.

Moreover, DAIWA is the only company in the world which has ECO PASSPORT certified UV-Blockers.

Benefits of ECO PASSPORT certified products

1. ECO PASSPORT certified products don't contain harmful substances to human health and environment, therefore they are safe for human health and eco-friendly .
2. STANDARD 100 certified articles which are processed with ECO PASSPORT certified chemicals do not require a full test program of the STANDARD 100 procedure. You thus save on laboratory costs.
3. There is no worry about emission of harmful substances to environment.
4. Labeling with the chemical agent's name on the products produced with ECO PASSPORT certified chemicals is allowed

Ex. ; This product is processed with "SAUBERTAC NANO-20(E)"

* Words on the label have to be checked by OEKO-TEX Association.

* Using the trademark in form of ECO PASSPORT label is not allowed.

Performance data

◆ SAUBERTAC NANO-20(E)

● Processing

Sample : Cotton 100% (195 g/m²)

Recipe : SAUBERTAC NANO-20(E) 5% soln.

FICOAT 70K 2% soln.

Procedure : Pad(pick-up=100%)→Dry(105°C for 5min)→Cure(130°C for 1min)

● Deodorant performance

Method: Based on JTETC

(JTETC Criteria)	Reduction rate (%) after 2h								
	Ammonia (>70%)			Acetic acid (>70%)			Isovaleric acid (>85%)		
	L0	L10	L30	L0	L10	L30	L0	L10	L30
NANO-20(E)	97.6	96.5	92.9	92.5	87.5	85.0	95.6	93.1	91.6

◆ UVS-327(E)

● Processing

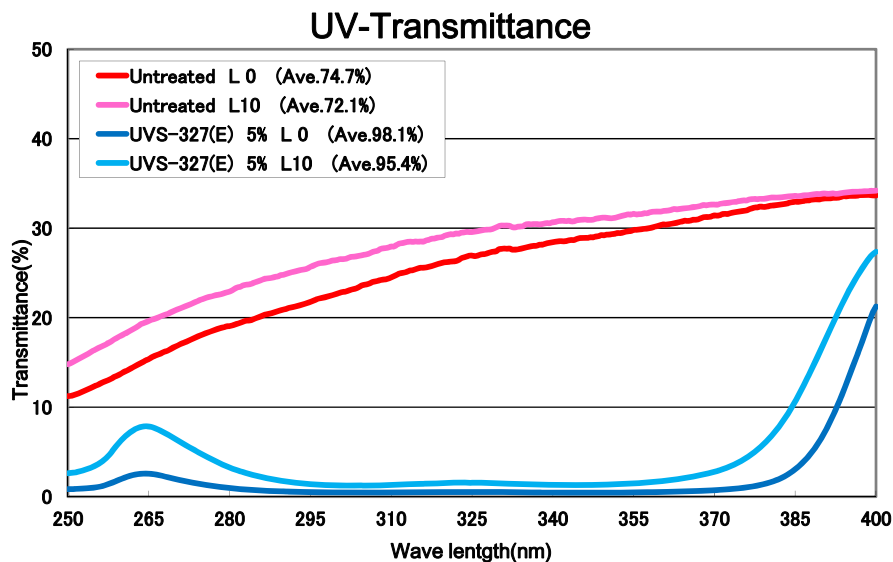
Sample : Cotton 100% (105 g/m²)

Recipe : UVS-327(E) 5% soln.

Procedure : Pad(pick-up=100%) →Dry(105°C for 5min) →Cure(130°C for 1min)

● UV-block performance

	UV-block performance (%)		UPF rating	
	L0	L10	L0	L10
Untreated	74.7	72.1	*	*
UVS-327(E)	98.1	95.4	50+	50+



◆UVS-75(E)

●Processing

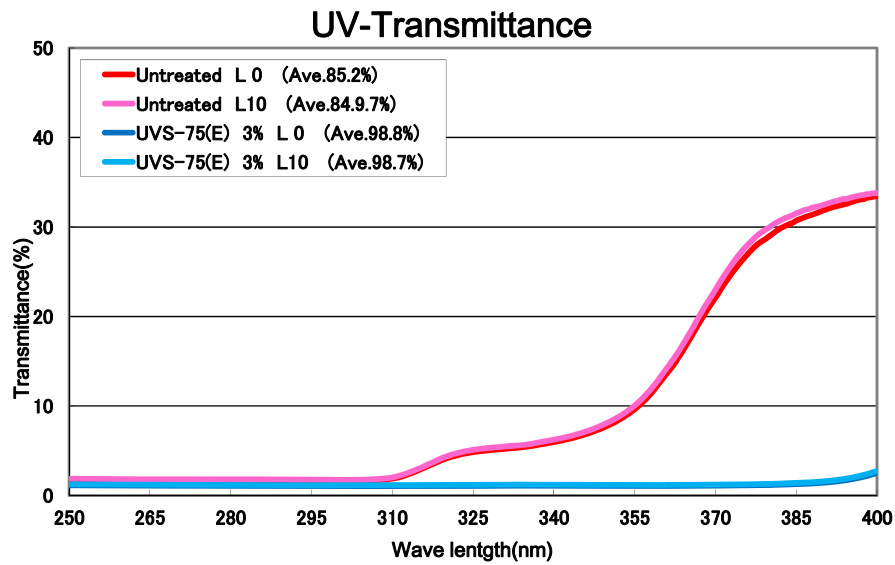
Sample : Polyester 100% (135 g/m²)

Recipe : UVS-75(E) 3% o.w.f.

Procedure : Exhaustion(L.R.=1:15, 130°C for 30min) →Reduction cleaning →Rinsing
→Dehydration / Dry →Cure(150°C for 1min)

●UV-block performance

	UV-block performance (%)		UPF rating	
	L0	L10	L0	L10
Untreated	85.2	84.9	*	*
UVS-75(E)	98.8	98.7	50+	50+



The contents indicated here are based on the exam performed carefully at our laboratory. However, it is not to guarantee the actual operation certainly. Please take the preliminary exam enough before use.



Daiwa Chemical Industries Co., Ltd

Headquarters & Osaka Plant

3-1-11, Kamishinjo,
Higashiyodogawa-ku Osaka-shi,
Osaka, 533-0006, Japan
TEL : +81-6- 6328-0500



Tokyo Office

4-17-19, Chuo, Edogawa-ku,
Tokyo, 132-0021, Japan
TEL : +81-3- 3653-1171



Tokyo Plant

4-17-28, Chuo, Edogawa-ku,
Tokyo, 132-0021, Japan
TEL : +81-3- 3653-1171



JIANGXI HEDAJIN INDUSTRY CO., LTD

INDUSTRIAL PARK C, JINXI
COUNTY, JINANXI 344800, CHINA
TEL:86-794-5269925
FAX:86-794-5269924

