

19.02.2018

Introductory note

DyStar Textile Products Selection of January 2018 to meet the requirements of STANDARD 100 by OEKO-TEX® (Edition 01/2018)

The STANDARD 100 by OEKO-TEX (Edition 01/2018) contains the general and special conditions for granting authorization to mark textiles with the OEKO-TEX mark. Threshold limit values for substances that are restricted on the textile and for minimum requirements on fastness properties are defined in appendix 4.

DyStar has assessed its product range for textile coloration and finishing against the STANDARD 100 by OEKO-TEX criteria of appendix 4 and this document indicates the suitability of each product for apparel.

Recommendations are based on our experience with well-established test methods and on dye application tests performed under standard lab conditions. It may be that these are not always representative of the conditions used by our customers. The assessment and recommendations given by DyStar therefore do not absolve the user from making their own tests and controls to ensure that the finished textile material and component conforms to the STANDARD 100 by OEKO-TEX requirements. This holds especially for the requirement on "fastness to saliva and perspiration" for class I (baby) articles and on extractable heavy metals, because these are influenced not only by the chemical formulations (e.g. dyestuffs) used, but mainly by many other dyeing parameters.

- | | |
|---------|---|
| ● Green | Suitable without limitation according to STANDARD 100 by OEKO-TEX |
| » Amber | Suitable with certain limitations indicated by footnotes |
| X Red | NOT recommended |

As the world's leading manufacturer of textiles dyes and auxiliaries, DyStar welcomes and supports the OEKO-TEX approach and motto on *confidence in textiles* by establishing uniform benchmark on a scientific basis for the evaluation of potentially harmful substances in textiles.

The use of high quality products from DyStar and the technical expertise of DyStar personnel offer customers the best assurance of meeting the high standards of the STANDARD 100 by OEKO-TEX requirements.

Our assessment covers products for coloration and finishing of textiles on the DyStar product range which we recommend for articles in compliance with appendix 4 of the STANDARD 100 by OEKO-TEX (status: January 2018). For compliance of textiles with requirements of appendix 6 of the STANDARD 100 by OEKO-TEX kindly consider our most restrictive application recommendations (Product Class I).

In case of missing items or uncertainties do not hesitate to contact your sales representative.

With best regards,

Dr. Anette Weber
Technology
Global Product Safety & Ecology

Dr. Christine Lorkowski
Technology
Global Product Safety & Ecology

The downloadable pdf-document has been issued electronically and is valid without a signature.



Overview of DyStar product ranges

Textile Colorants

For cellulosic fibers

- Reactive dyes
- Direct dyes
- Vat dyes
- Dyes for Denim
- Azoic / developing dyes

Levafix[®], Procion[®], Remazol[®] and Lava Dye Sirius[®]
Indanthren[®] Colloisol and liquid
DyStar Indigo, Cassulfon[®]
Fast dyes, Naphtol AS[®], Phtalogen[®]

For polyester fibers

- Disperse dyes

Dianix[®]

For wool

- After chromed dyes
- Acid metal complex dyes
- Reactive dyes
- Acid dyes

Diamond[®]
Isolan[®]
Realan[®]
Supralan[®] and Telon[®]

For polyamide

- Acid metal complex dyes
- Acid dyes
- Acid/MC dyes for fashion garment

Isolan[®]
Telon[®]
Lava Dye Antique

For acrylic fibers

- Basic dyes

Astrazon[®]

For textile printing

- Pigment preparations
- Inks for digital printing
- Printing inks (liquid)
- Powder ink concentrates

Imperon[®]
Colaris[®]
Jettex[®] A, Jettex[®] D and Jettex[®] R
Jettex[®] highly purified dyes: Jettex[®] A and Jettex[®] R

Auxiliaries

- Pretreatment & Dyeing & Printing Auxiliaries
- Finishing Auxiliaries
- Laundry Auxiliaries

Sera[®]
Evo[®]
Lava[®]



DyStar products as per your *eliot* selection from **06.03.2019**

Postive List - STANDARD 100 by OEKO-TEX®
Version 01/2018

| Dyestuff | Remarks | General remarks | Class I, baby articles | Class II- IV, other textiles |
|-----------------|---------|-----------------|------------------------|------------------------------|
| Lava Con MEX 02 | | | ● | ● |

- Green Suitable without limitation according to STANDARD 100 by OEKO-TEX® RSL for apparel
- » Amber Suitable with certain limitations indicated by Footnotes in the table
- × Red NOT recommended



DyStar products as per your *eliot* selection from **06.03.2019**

Footnotes, Postive List - STANDARD 100 by OEKO-TEX®
Version 01/2018

Committed to Sustainability

At DyStar, our products and services help customers worldwide reduce costs, shorten lead times and meet stringent quality and ecological specifications.

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