

The Oeko-Tex[®] Standard 100

DyStar recommendations for product selection (edition 01/2014)



The Oeko-Tex® Standard 100

Edition 01/2014

Consumer safety and environmental protection have become increasingly important factors in the purchase of textiles. Ecolabels such as Oeko-Tex® Standard 100 are a useful tool for reassuring consumers that the goods they are buying do not present a hazard to health or have a negative impact on the environment during manufacture.

This publication provides a detailed overview of Oeko-Tex® Standard 100. It describes the requirements that have to be met, together with details of the test methods and limit values set by the standard.

We have evaluated our full range of global textile dyes, pigment preparations and auxiliaries for suitability for application in compliance with Oeko-Tex® Standard 100.

econfidence® philosophy

Through our Ecology Services and econfidence® program we support the whole of the textile supply chain with regard to chemical and environmental legislation, ecolabels and Restricted Substance Lists (RSLs) of leading retailers and brands. The ecological quality of DyStar products is supported by our econfidence QA system and helps textile mills and retailers to be on the safe side concerning toxic or restricted chemicals.

With nearly all DyStar products, it is possible to meet the requirements of Oeko-Tex® Standard 100 and similar ecological standards without problem. Consumers can be confident that textiles dyed or printed correctly with DyStar dyes do not put them at risk.

Contact us if you would like further information. Your local DyStar representative or our Global Product Safety & Ecology team will be happy to help you.

Content

Eco Textiles	3
Guidelines/Certification	3
The Oeko-Tex® catalogue of criteria.....	3
1 pH value	4
2 Formaldehyde.....	4
2.1 Crease-resistant finishing	5
2.2 Improving wet fastness properties	5
2.3 Pigment printing.....	5
3 Heavy metals	6
3.1 Extractable heavy metals.....	6
3.2 Heavy metals in digested samples	7
4 Pesticides.....	8
5 Chlorinated phenols.....	8
6 Organotin compounds	9
7 Phthalates	10
8 Orthophenylphenol (OPP).....	11
9 Colorants based on cleavable MAK amines.....	11
9.1 Azo pigments.....	12
9.2 False-positive amine detection	13
9.3 Arylamines in PU containing materials.....	13
10 Carcinogenic dyestuffs	14
11 Allergenic dyestuffs.....	14
12 Color fastness (staining)	15
13 Emission of highly volatile components	16
14 PFC's (Perfluorinated Compounds).....	16
15 Chlorinated Benzenes and Toluenes.....	17
16 Polycyclic Aromatic Hydrocarbons (PAHs).....	17
17 Alkylphenols (AP) and Alkylphenoethoxylates (APEO)	18
18 Prohibition of Special Finishes	18
Assessment of Dystar dyes and auxiliary chemicals according to the Oeko-Tex® Standard 100 criteria	19
Use of the Product Assessment tables.....	19
Overview of Dystar product ranges (as of December 2013)	20
Contacts	21
Assessment of global Dystar Products according to Oeko-Tex® Standard 100, edition 01/2014.....	22
Footnotes	87
Index.....	88

Eco Textiles

Environmental issues are playing an increasingly important role in consumer products. Textiles and clothing are also subjected to stringent examination, particularly with regard to the chemicals used in their manufacture as they are often in direct contact with the skin.

Unfortunately, unnecessary public concern is frequently aroused by misleading or sensational reports in the media. All too often, the consumer is confronted with scare stories of health risks and pollution allegedly originating from modern textiles treated with "poisonous, allergenic or carcinogenic dyes and finishing auxiliaries". Such gross misrepresentation is completely untrue for textile production in countries, where extensive environmental and chemical pollution laws exist. Nevertheless, it cannot be ruled out that some textiles of uncertain origin traded on international markets may have been processed inadequately and may contain residues of untested, possibly hazardous, auxiliaries and dyes.

In light of this, the responsible partners in the textile industry believe that it is important to reassure consumers about textiles in human ecological terms, i.e. to reassure the public that properly processed textile products present no health risks. Initially a confusing array of imaginative ecolabels and symbols sprang up in the textile trade to put this message across. In view of this unsatisfactory state of affairs, industrial associations and independent institutes came together to establish criteria for a human ecology label that can be trusted by consumers.

These criteria comprise ecologically-relevant standards for the human ecological quality of textiles which can be verified analytically. This involves detailing limit values for toxic substances below which no potential health hazard should be expected. By far the most important human ecological standard for clothing and textile material is the Oeko-Tex® Standard 100 of the International Association for Research and Testing in the Field of Textile Ecology.

The Oeko-Tex® Standard 100

Guidelines/Certification

The Oeko-Tex® Standard 100 defines general and specific conditions which must be complied with by textiles or leather products to be awarded the Oeko-Tex® Standard 100 mark (i.e. to be certified). Award of the Oeko-Tex® "Confidence in Textiles" mark certifies that the article has been examined for the absence of harmful substances according to Oeko-Tex® Standard 100. The "Confidence in Textiles" mark guarantees the consumer that a textile or leather article does not contain Oeko-Tex® banned or restricted substances in excess of binding maximum thresholds, known to be non-hazardous to human health, and certifies that examination/testing has been performed by an authorized laboratory.

It should be expressly noted here that the Oeko-Tex® Standard 100 is not applicable for chemicals, auxiliaries and dyestuffs but for textile or leather products and articles only, including textile and non-textile accessories.

The Oeko-Tex® catalogue of criteria

The current catalogue of Oeko-Tex® criteria (Edition 01/2014) was published in January 2014. The catalogue divides articles, including their components (fibers, yarn, fabrics) into four product classes, dependent on their intended use:

➤ **Products for babies (Class I)**

Products for babies and small children (up to the age of 36 months) including accessories and components

➤ **Products with direct skin contact (Class II)**

Articles worn with a large part of their surface close to the skin (such as blouses, shirts, underwear, etc.)

➤ **Products without direct skin contact (Class III)**

Articles with at mostly very little skin contact (such as coats, dresses, articles with linings, stuffing, etc.)

➤ **Decoration material (Class IV)**

Articles, components and accessories for decorative purposes (such as cloths, furnishing fabrics and curtains, wall coverings, textile flooring, etc.)

The criteria and requirements for classes II to IV are very similar, while baby articles (class I) are subject to lower threshold values.

Full information on Oeko-Tex® Standard 100 including a list of participating laboratories can be found at:

www.Oeko-Tex.com

The following is a brief description of the criteria on an informational basis. The binding criteria and official wording are given in the official document "Oeko-Tex® Standard 100 – General and special conditions" (Edition 01/2014).

1 pH value

The pH value of an aqueous extract of the textile article is determined according to ISO 3071. The required pH range corresponds approximately to the natural pH value of human skin (approx. 5.5). This avoids skin irritation due to the release of acidic or alkaline substances from damp textiles. For goods which have to undergo a subsequent wet processing step a pH value of between 4.0 - 10.5 is allowed. For foams the pH-value might lie in the range between 4.0 and 9.0. Coated or laminated leather products in product class IV can have a pH value within 3.5 and 9.0.

Provided textiles have been rinsed properly, achieving the required pH interval should present no difficulty. However, experience has shown that many textiles are rejected because they fail the pH specification. Obviously it is not so easy to find the correct balance between the sometimes conflicting demands of human ecology (skin-friendly pH), environmental protection (water conservation) and economy (productivity).

It is also worth noting that domestic laundering with a household detergent can give rise to a pH value above the Oeko-Tex® specified range.

2 Formaldehyde

On baby articles (Class I) no formaldehyde must be detectable. The thresholds for the other groups of textile articles are between 75 and 300 mg/kg:

Class I:	n. d. (not detectable; detection limit: 16 mg/kg)
Class II:	75 mg/kg
Class III and IV:	300 mg/kg

Formaldehyde is analytically determined using the internationally accepted acetylacetone method according to Japanese law 112 (JIS L 1041 of 1983). This method determines free formaldehyde as well as some cleavable formaldehyde. "n. d." corresponds according to this method with an absorbance unit less than 0.05 or < 16 mg/kg.

Formaldehyde emissions into the air from textile floor coverings, mattresses, foams and large coated articles are also limited. The limit value is 0.1 mg/m³ air.

Formaldehyde has an irritant effect on the respiratory tract and mucous membranes in concentrations above .5 mg/m³ air. Consequently several countries have set threshold or guideline values of between 0.1 to 0.5 mg/m³ for formaldehyde. However, these values are only to be expected from textiles when they have a formaldehyde content of > 1000 mg/kg.

Formaldehyde has an allergenic and sensitizing effect even at low concentrations. Levels of 300 mg/kg formaldehyde on a garment can trigger allergic effects in sensitized individuals. As a result, several countries such as Japan and Finland limit the formaldehyde content of textiles by law.

Formaldehyde originates from three main sources in the textile finishing process:

2.1 Crease-resistant finishing

Formaldehyde-containing crosslinking agents are still used in shrink-resistant, crease-resistant and easy-care finishes. With modern products and recipes for low-formaldehyde finishing the requirement of < 75 mg/kg for textiles in direct contact with the skin can be achieved. Formaldehyde-free cross-linking agents do not generally give the same level of technical performance – they are only used when no formaldehyde must be detectable (babywear).

2.2 Improving wet fastness properties

Cheap formaldehyde-containing auxiliaries are often used for cationic aftertreatment of direct-dyed and occasionally reactive-dyed textiles. Depending on the recipe used, the “no detectable limit” for baby articles can easily be exceeded, or even the 75 mg/kg threshold for textiles worn close to the skin. However, cationic auxiliaries are now available which contain little or no formaldehyde, enabling compliance with the Oeko-Tex® limits.

DyStar markets two cationic wet fastness improvers for direct dyeings

- Sera® Fast C-NC, without formaldehyde (continuous and exhaust application)
- Sera® Fast C-VSF, without formaldehyde (exhaust application)

Both products are free from formaldehyde.

2.3 Pigment printing

Crosslinking agents containing formaldehyde are widely used in pigment printing. With these products it is virtually impossible to comply with the 75 mg/kg limit, even when application is extremely careful.

However by using modern binder systems and special low-formaldehyde crosslinking agents a pigment print can be produced with less than 75 mg/kg formaldehyde. The addition of urea as a formaldehyde scavenger will occasionally allow the limit for babywear to be achieved.

Finally it should also be noted that textile materials can pick up formaldehyde from external sources e.g. exhaust fumes, smoke, contaminated packaging materials, during storage or transportation.

DyStar dyes and pigments contain no formaldehyde, or, at worst, very low levels, which definitely cannot result in the Oeko-Tex® limits being exceeded. An indication as to the suitability of DyStar textile auxiliaries is given in the product assessment tables.

3 Heavy metals

Oeko-Tex® Standard 100 has limitations for both extractable heavy metals and for total metal content in fully digested samples.

3.1 Extractable heavy metals

The Oeko-Tex® Standard 100 heavy metal limits (Table 1a) relate to the extractable part which can migrate to the skin under wearing conditions.

Analysis for extractable heavy metals is performed by extraction (60 min, 40 °C, LR = 1:20) using an artificial acid perspiration solution (according to ISO 105-E04). The perspiration extract is analyzed for heavy metals by atomic absorption spectroscopy (AAS) or ICP-MS. The result is referred back to 1 kg of the textile material.

The very low Oeko-Tex® limit values are derived from the statutory regulations for heavy metals in drinking water. But, the average daily adult consumption of drinking water is ca. two liters, whereas the perspiration is neither drunk nor is it incorporated through the skin! Hence the heavy metal limits in the Oeko-Tex® Standard 100 are only of superficial toxicological relevance; where they are exceeded this does not necessarily mean that there is a health risk for the consumer.

Additionally, clear differentiation needs to be made between the highly toxic heavy metals such as mercury, arsenic, cadmium, chromium(VI), and lead on the one hand, and other heavy metals such as copper, chromium or zinc on the other.

Toxic heavy metals (Hg, As, Cd, Pb, CrVI) are not contained in high-quality dyes, pigment preparations and auxiliaries. They may appear in the form of trace contamination in untreated natural fibers, but are generally well below the permitted limits. Pretreatment (bleaching, washing, kier-boiling) removes them almost completely.

Antimony compounds are used as catalysts in polyester synthesis and partly remain in the fibers. However, only small amounts of antimony can be leached out when polyester has been manufactured correctly.

Other heavy metals frequently used in textile finishing are, in some cases, hard to replace: Some copper compounds improve the light fastness of polyamide-based carpets, while chromium compounds can be used as oxidants in sulphur and vat dyeing processes, or as mordants in the after-chroming of certain wool dyes.

The heavy metals copper, chromium, cobalt and nickel have particular significance for the metal complex dyes. These dyes form part of many ranges in the blue, navy, turquoise, green and grey shade areas. They all have excellent wet and light-fastness at an excellent price to performance ratio, something that cannot always be achieved with metal-free alternatives. Turquoise and brilliant green shades can only be achieved on cellulosic textiles with copper or nickel phthalocyanine dyes. Copper complexes are also essential for the blue/green/grey range in pigment prints.

In all these dyes, the metal is an integral part of the dye molecule. It is bound to the fiber with the dye and normally can only be released together with the dye. Values obtained for extractable heavy metals hence often correlate fairly closely to wet-fastness values, or more precisely, perspiration-fastness values for each particular dyeing.

Generally, the limits for extractable heavy metals are reliably adhered to by DyStar metal complex dyes.

Potential exceptions to this could be

- very deep dyeings
- dyeings with poor wet fastness
- metal complex dyeings that have been subjected to a discharge process (this destroys the dyestuff and partly releases the metal which must be removed by proper rinsing!)
- pigment dyeings, e.g. for wash-out articles, when copper complex based pigments are used essentially without binder, resulting in extremely poor wet fastness properties (however, correctly manufactured pigment prints based on pigments containing copper should always meet the criteria for extractable copper)

The product assessment tables show which metal complex dyes only have limited suitability for Oeko-Tex® certified articles.

3.2 Heavy metals in digested samples

The limits for lead and cadmium in digested samples given in Table 1b are only applicable to non-textile accessories and components as well as to spun dyed fibers and articles containing pigments. The use of the DyStar products listed in this brochure will not lead to the exceedance of these Oeko-Tex® limits.

Heavy metal content of textile (mg/kg): threshold according to Oeko-Tex® Standard 100 (Edition 01/2014)

Table 1a

Extractable heavy metals		I (baby)	II (skin contact)	III (no skin contact)	IV (decoration material)
Sb	Antimony	30.0	30.0	30.0	
As	Arsenic	0.2	1.0	1.0	1.0
Pb	Lead	0.2	1.0 ¹	1.0 ¹	1.0 ¹
Cd	Cadmium	0.1	0.1	0.1	0.1
Cr	Chromium	1.0	2.0	2.0	2.0 ⁶
Cr	Chromium (VI)	Not detectable (analytical quantification limit: 0.5 mg/kg)			
Co	Cobalt	1.0	4.0	4.0	4.0
Cu	Copper	25.0 ²	50.0 ²	50.0 ²	50.0 ²
Ni	Nickel ³	1.0 ⁴	4.0 ⁵	4.0 ⁵	4.0 ⁵
Hg	Mercury	0.02	0.02	0.02	0.02

Table 1b

Heavy metals in digested samples ⁷					
Pb	Lead	90.0	90.0 ¹	90.0 ¹	90.0 ¹
Cd	Cadmium	50.0	100.0 ¹	100.0 ¹	100.0 ¹

- 1 No requirement for accessories made from glass
- 2 No requirement for accessories made from inorganic materials
- 3 Including the requirements of EC Directive 94/27/EC adopted to Annex XVII of REACH by Commission Regulation (EC) No. 552/2009
- 4 For metallic accessories and metallized surfaces: 0.5 mg/kg
- 5 For metallic accessories and metallized surfaces: 1.0 mg/kg
- 6 For leather articles: 10.0 mg/kg
- 7 Applicable for all non-textile accessories and components as well as for spun dyed fibers and articles containing pigments

4 Pesticides

A large number of pesticides are used in sheep rearing and cotton growing. Provided they are used correctly, hardly any trace residues of modern pesticides can be found in raw cotton or wool. Such traces are chemically destroyed or washed out during the various pretreatment phases (desizing, scouring, bleaching). The Oeko-Tex® Standard 100 sets stringent limits for the pesticide content of native fibers.

Dyes and auxiliaries produced by responsible manufacturers do not contain pesticide residues.

DyStar dyes and auxiliaries do not contain any of the pesticides banned by the Oeko-Tex® Standard 100.

5 Chlorinated phenols

Persistent chlorophenols such as PCP (pentachlorophenol) or TeCP (tetrachlorophenol) are still used occasionally to prevent rot and mold in raw fibers and textiles during prolonged storage and transport. PCP (or its sodium salt) is also sometimes used to stabilize printing pastes based on biologically unstable thickening agents and sizing liquors based on starch - particularly in tropical regions.

Chlorinated organic compounds, such as phenols or benzenes, may also occur as impurities deriving from raw materials or solvents or unintentional but unavoidable by-products in chemical synthesis.

Whereas all isomers of TeCP already were included with Edition 01/2008, with effect from Edition 01/2014 all isomers of Trichlorophenols were included and are tested for and the permitted limit value applies to the total of all isomers.

Chlorinated phenols	Threshold in textiles (mg/kg)	
	Product Class I	Product Class II - IV
Pentachlorophenol (PCP)	0.05	0.5
Tetrachlorophenol (TeCP, total)	0.05	0.5
Trichlorophenols (TrCP, total)	0.2	2.0

Almost all DyStar products may be used on textiles required to be in compliance with the Oeko-Tex® limits for extractable traces of PCP, TeCP and TrCP.

It should be noted though, that the Oeko-Tex® authorized analytical test method for chlorinated phenols as prescribed under Oeko-Tex® Standards 200 and 201 must be used for the analysis of chlorinated phenols in fabrics.

In the very few cases where we are unable to guarantee full compliance with this Oeko-Tex® requirement this is indicated by remarks/footnotes in the product assessment tables

6 Organotin compounds

Since 2008 threshold values for four organic tin compounds have been included in the Oeko-Tex® Standard 100.

Organic tin compound	Threshold in textiles (mg/kg)	
	Product Class I	Product Class II - IV
Tributyl tin (TBT)	0.5	1.0
Triphenyl tin (TPhT)	0.5	1.0
Dibutyl tin (DBT)	1.0	2.0
Diocetyl tin (DOT)	1.0	2.0

Tributyl tin compounds are mainly used as anti-fouling agents in ships' coatings. However, they could also be used in textiles (socks, sportswear) as a biocide.

Dibutyl tin compounds are used as stabilizers during PVC production, but also as catalysts in some polymers (adhesives, PVC or silicon based auxiliaries). As a result of the production process for DBT, these products may contain very small residual amounts of TBT.

Due to their hormone-like effect, TBT compounds are extremely toxic to certain marine organisms (bivalves, snails). They have a considerably lower toxic effect on mammals. Mammalian toxicity of dibutyl tin compounds is less than that of tributyl tin derivatives. According to current scientific knowledge, no health hazards to textile consumers exist provided the Oeko-Tex® limit values for organic tin compounds in textiles are maintained.

No organic tin compounds are used in the manufacture of DyStar dyes and auxiliaries. Using DyStar products you can be sure that the Oeko-Tex® thresholds for TBT, TPhT, DBT and DOT are safely maintained.

7 Phthalates

Since 2009 the restriction for phthalate esters for coated articles, plastisol prints, flexible foams, and accessories made from plastics have been revised. The current limits are shown below:

Chemical name	CAS Number	Threshold in textiles (mg/kg)	
		Product Class I	Product Class II - IV
DINP Di-iso-nonylphthalate	28553-12-0 68515-48-0	Sum < 0.1	Sum < 0.1
DNOP Di-n-octylphthalate	117-84-0		
DIDP Di-iso-decylphthalate	26761-40-0 68515-49-1		
DEHP Di-(2-ethylhexyl)phthalate	117-81-7		
BBP Butylbenzylphthalate	85-68-7		
DBP Dibutylphthalate	84-74-2		
DIBP Di-iso-butylphthalate	84-69-5		
DIHP Di-C6-8-branched alkylphthalates	71888-89-6		
DHNUP Di-C7-11-branched alkylphthalates	68515-42-4		
DHP Di-n-hexylphthalate	84-75-3		
DMEP Di-(2-methoxyethyl)-phthalate	117-82-5		
DPP Di-pentylphthalate (n-, iso-, or mixed)	131-18-0, 605-50-5, 776297-69-9, 84777-06-0		

The phthalates mentioned are widely used as PVC softeners.

In the EU, the sale and distribution of toys and baby articles made of soft PVC which contain more than 0.1% of certain phthalates and intended for children to put into their mouths have been legally prohibited since 1999. The latest EU Directive on the subject is 2005/84/EC (recently adopted to Annex XVII of REACH® by Commission Regulation (EC) No. 552/2009).

No DyStar colorants or textile auxiliaries contain Oeko-Tex® banned phthalates

8 Orthophenylphenol (OPP)

Since edition 01/2003 limits for o-phenylphenol of 50 mg/kg for Product Class I (babywear) and 100 mg/kg for Product Classes II - IV have been established.

OPP is used as a preservative e.g. in textile chemicals, print paste thickeners and latex emulsions and hence can end up in trace amounts on textile goods and accessories. Very occasionally OPP is used as a carrier.

DyStar dyes, pigment preparations and textile auxiliaries do not contain o-phenylphenol

9 Colorants based on cleavable MAK amines

Azo dyestuffs and pigments which release any one of 24 listed arylamines (from Category 1 or 2 in Section III of the MAK list; previously MAK III A1 and MAK III A2 amines, see Table 2) following reductive azo cleavage may not be used in the production of Oeko-Tex® compliant textiles.

Table 2

Arylamines which must not be released under reductive conditions

Amine	CAS Number
4-aminodiphenyl	92-67-1
benzidine	92-87-5
4-chloro-o-toluidine	95-69-2
2-naphthylamine	91-59-8
o-aminoazotoluene	97-56-3
2-amino-4-nitrotoluene	99-55-8
p-chloroaniline	106-47-8
2,4-diaminoanisole	615-05-4
4,4'-diaminodiphenylmethane	101-77-9
3,3'-dichlorobenzidine	91-94-1
3,3'-dimethoxybenzidine	119-90-4
3,3'-dimethylbenzidine	119-93-7
3,3'-dimethyl-4,4'-diaminodiphenylmethane	838-88-0
p-cresidine	120-71-8
4,4'-methylene-bis-(2-chloroaniline)	101-14-4
4,4'-oxydianiline	101-80-4
4,4'-thiodianiline	139-65-1
o-toluidine	95-53-4
2,4-toluylenediamine	95-80-7
2,4,5-trimethylaniline	137-17-7
o-anisidine	90-04-0
2,4-xylidine	95-68-1
2,6-xylidine	87-62-7
4-aminoazobenzene	60-09-03

The Oeko-Tex® laboratories test for compliance to this requirement during the certification procedure.

Since autumn 1997, Oeko-Tex® laboratories only apply the test methods recognized in the German Consumer Goods Ordinance (No. 82.02-2/-4/-9 in the Official Archives of Testing Methods according to §64 LFGB) - as do the Government testing agencies.

This means that azo dyestuffs prohibited in the production of clothing textiles by the (legally binding) German Consumer Goods Ordinance, the later EU Directive 2002/61/EC; now adopted to Annex XVII of REACH® by Commission Regulation (EC) No 552/2009 may also not be used to produce Oeko-Tex® certifiable textiles.

However, the Oeko-Tex® Association goes slightly beyond the statutory requirements in two points:

1. A prohibited azo dye is deemed to have been used when greater than 20 mg MAK amine/kg textile is detectable. The REACH® regulation sets the acceptable limit at 30 mg/kg.
2. As well as prohibiting azo dyestuffs which can be cleaved to release one of the 22 amines listed in the REACH® regulation, the Oeko-Tex® Standard 100 additionally prohibits dyestuffs which can release, 2,4-xylydine or 2,6-xylydine.

DyStar dyestuffs cannot release the prohibited amines (incl. 2,4-xylydine and 2,6-xylydine) by reductive cleavage, so the following statement applies to all DyStar products.

DyStar textile dyestuffs and pigment preparations cannot release arylamines from Category 1 or 2 in Section III of the MAK list following reductive cleavage¹.

All DyStar dyestuffs and pigment preparations comply with the requirements of the Oeko-Tex® Standard 100 (Annex 5: MAK amines which can be released following reductive cleavage), German Consumer Goods Ordinance, and - of course EU Directive 2002/61/EC and now REACH® Regulation 1907/2006 Annex XVII

9.1 Azo pigments

The Oeko-Tex® standard permits the use of azo pigments which contain an azo bonded MAK amine as a structural element, provided this amine cannot be split off under the prescribed test conditions (identical with the test methods¹ which apply under the German Consumer Goods Ordinance). This means that the Oeko-Tex® consortium has adopted the rules laid down by the German Consumer Goods Ordinance. Following its 5th Amendment of April 1997, this Ordinance explicitly permits the use of non-cleavable azo pigments, as convincing toxicological studies had shown that these pigments were not bio-available.

This ruling is of particular significance for the important 3,3'-dichlorobenzidine pigments (DCB pigments) which are widely used in pigment printing, as these pigments cannot be cleaved when using the legally recognized test method (which is now also used by the Oeko-Tex® laboratories).

DyStar therefore wishes to make the following clear statement about azo pigments.

All DyStar pigment preparations can be used to produce Oeko-Tex® compliant textiles¹ as specified in the assessment table. This statement also applies to pigment preparations containing pigments based on DCB.

¹ Test method B 82.02-2/-4 and -9 from the Official Archives of Test Methods according to §64 LFGB

9.2 False-positive amine detection

Certain dyestuffs can release a MAK III Cat 1 or Cat 2 amine under the conditions of the legally approved detection methods B82.02-2/-4/-9 or EN14362-1:2012 / EN14362-3 by other release mechanisms than the cleavage of azo bonds. In such cases the implication that a banned azo dyestuff is present is spurious, and the laboratories have to confirm this first result either by a different amine detection method or by looking for independent evidence, e.g. via the chemical structure of the dyestuff in question. Dyestuffs or pigments which give a "false-positive" amine detection are not banned, because the "false-positive" release mechanisms are not expected to occur in the human metabolism.

Some "false-positive" reactions are already mentioned in the official test methods B82.02 and EN14362, e.g. the release of 2-naphthylamine from Tobias acid containing dyestuffs or the release of 4-aminobiphenyl from certain aniline dyes.

In the attached dyestuff tables we indicate our Tobias acid based azo dyes by a corresponding footnote.

Customers who have used such dyestuff and get a positive amine report from a test lab should inform the lab about the nature of the dyestuff used, or immediately ask DyStar to contact the lab for clarification.

Also some pigments can cause the false positive detection of a banned amine. This is mainly caused by the thermal cleavage of amide bonds in the pigment (or in residual coupling component) in the heater block of the gas chromatograph which is normally used for the amine detection and quantification. Such amine detections can easily be identified as "false-positive" results, if the amine analysis is repeated by a different detection method e.g. HPLC/ DAD or TLC. (Both analytical methods, B82.02 and EN 14362 prescribe, that positive amine detection must generally be confirmed by a second independent test method; this will prove whether the initial amine detection was actually a "true-positive", or "false-positive" detection only).

In the pigment section of this brochure we indicate by a corresponding footnote which pigments can give rise to a false-positive amine detection, if a gas chromatograph is used for the amine analysis.

In 2007 another peculiarity with certain pigments was detected: When a Carbon Black based pigment is combined with certain orange pigments in a textile print, 3,3'-dichlorobenzidine (DCB) may be detected in the azo test. In the pigment assessment table of this brochure we have marked such pigments by footnotes which should not be directly combined in a pigment print, in order to avoid the release of this amine under test conditions.

9.3 Arylamines in PU containing materials

Certain polyurethane (PU) containing coating materials (usually low grade qualities) can contain free or hydrolyzable MAK III Cat 2 amines (mainly 4,4'-diaminodiphenylmethane and 2,4-toluylenediamine).

Such coatings are no longer accepted under the Oeko-Tex® Standard 100 criteria.

Please note: In this case the ban not only refers to the cleavage of azo bonds as release mechanism for the amines!

DyStar coating auxiliaries do not contain 4,4'-diaminodiphenylmethane or 2,4-toluylenediamine and no polyurethanes which can release these amines.

10 Carcinogenic dyestuffs

Dyestuffs which have been classified as carcinogenic may not be used to dye Oeko-Tex® compliant textiles.

Table 3

Dyestuffs regarded as carcinogenic by the Oeko-Tex® Standard 100

Dye generic type	C.I. structure No.	CAS Number
C.I. Acid Red 26	16 150	3761-53-3
C.I. Basic Red 9	42 500	569-61-9
C.I. Basic Violet 14	42 510	632-99-5
C.I. Direct Black 38	30 235	1937-37-7
C.I. Direct Blue 6	22 610	2602-46-2
C.I. Direct Red 28	22 120	573-58-0
C.I. Disperse Blue 1	64 500	2475-45-8
C.I. Disperse Orange 11	60 700	82-28-0
C.I. Disperse Yellow 3	11 855	2832-40-8

DyStar textile dyes do not contain any dyestuffs that have been classified as being carcinogenic by the Oeko- Tex® organization.

11 Allergenic dyestuffs

Certain disperse dyestuffs can cause an allergic reaction or dermatitis among previously-sensitized individuals. The emergence of such skin reactions depends on the amount of allergenic dyestuff that actually migrates from the dyed textile onto the skin. Polyamide or cellulose acetate dyed with disperse dyes often has only moderate wet fastness. This means that an allergenic dyestuff can migrate onto the skin at points where clothing is tightly fitting or where sweating is prevalent, leading to allergic reactions in rare cases (e.g. "nylon stocking allergy", legging allergy).

The excellent wet fastness of polyester material when correctly dyed with disperse dyestuffs precludes any allergic reactions with such dyes.

Nevertheless, the Oeko-Tex® organization forbids the use of a total of 21 generic disperse dyes which they suspect as potentially causing allergic reactions, and this ban also includes their use on polyester (see Table 4). Testing to ensure that prohibited dyestuffs have not been used is performed by extracting a textile sample using an organic solvent, followed LC/DAD/MS analysis.

A German standard method for the detection of such allergenic disperse dyes is available as DIN 54231:2005

Disperse dyestuffs regarded as allergenic by the Oeko-Tex® Standard 100

Table 4

C.I. Generic Name		
C.I. Disperse Blue 1	C.I. Disperse Blue 124	C.I. Disperse Red 11
C.I. Disperse Blue 3	C.I. Disperse Brown 1	C.I. Disperse Red 17
C.I. Disperse Blue 7	C.I. Disperse Orange 1	C.I. Disperse Yellow 1
C.I. Disperse Blue 26	C.I. Disperse Orange 3	C.I. Disperse Yellow 3
C.I. Disperse Blue 35	C.I. Disperse Orange 37	C.I. Disperse Yellow 9
C.I. Disperse Blue 102	C.I. Disperse Orange 76	C.I. Disperse Yellow 39
C.I. Disperse Blue 106	C.I. Disperse Red 1	C.I. Disperse Yellow 49

DyStar dyestuffs do not contain any of the 21 generic disperse dyes which are listed in the Oeko-Tex® Standard 100 as allergenic.

12 Color fastness (staining)

Apart from the dyestuff itself, color fastness is determined by several parameters.

- Type and quality of the substrate (in particular mixed fabrics)
- Type of pretreatment
- Color depth, color combination
- Dyeing or printing method used
- After treatment

This means that it is practically impossible to give general guarantees that a dyestuff will comply to the required color fastness specification (see Table 5). However, our pattern cards provide more specific information.

Color fastness requirements (staining) for textiles according to Oeko-Tex® Standard 100 (Edition 01/2014)

Table 5

	Product Class			
	I (baby)	II (skin contact)	III (no skin contact)	IV (decoration material))
Water	3	3	3	3
Perspiration, acidic	3 - 4	3 - 4	3 - 4	3 - 4
Perspiration, alkaline	3 - 4	3 - 4	3 - 4	3 - 4
Rub fastness, dry ^{1, 2}	4	4	4	4
Saliva and perspiration	fast	—	—	—

1) The color fastness requirements do not apply to "wash-out"-articles

2) A minimum grade of color fastness of 3 (dry) is accepted for pigment, vat and sulfur colorants

Concerning the fastness requirements it is important to remember that:

- The fastness requirements laid down by the Oeko-Tex® Standard 100 can generally be fulfilled where high-quality DyStar dyestuffs are properly applied.
- In general, we recommend cationic aftertreatment to improve wet fastness where direct dyes (Sirius®) are used in medium to deep shades, for example, with Sera® Fast C-NC and Sera® Fast C-VSF.
- Where the required wet fastness cannot be achieved using direct/substantive dyes, reactive (Remazol®/Levafix®/Procion®) or vat dyes may be used instead.
- A rub fastness of 3 (dry) is still acceptable to Oeko-Tex® for pigment prints, vat and sulphur dyeings.
- We recommend that color fastness is checked when dyeing particularly deep shades or using mixed fabrics susceptible to staining.
- Rub fastness and saliva and perspiration fastness (Class I requirement) depend critically on recipes and the dyeing process used. The assessment in our dyestuff tables gives an indication of suitability which reflects our experience under standard dyeing conditions, but must not be taken as warranty.

13 Emission of highly volatile components

The Oeko-Tex® Standard 100 sets limits for some highly volatile monomers (carpeting) and organic solvents which apply to textile floorings and mattresses as well as foams and large coated articles that are not used for clothing.

These chemicals are not contained in DyStar colorants and auxiliaries above the acceptable limits.

14 PFC's (Perfluorinated Compounds)

With effect from Edition 01/2014 the Oeko-Tex® Standard 100 includes the following limits for PFC's in all materials with a water or oil repellent finishes or coatings.

Substance	Limit values			
	Product class I	Product class II	Product class III	Product class IV
PFOS (µg/m²)	1.0	1.0	1.0	1.0
PFOA (mg/kg)	0.05	0.1	0.1	0.5
PFUdA (mg/kg)	0.05	0.1	0.1	0.5
PFDdA (mg/kg)	0.05	0.1	0.1	0.5
PFTTrDA (mg/kg)	0.05	0.1	0.1	0.5
PFTeDA (mg/kg)	0.05	0.1	0.1	0.5

The use of PFOS for the treatment of textile articles was already legally banned under EU Directive 2006/122/EC (adopted to Annex XVII of REACH® by Commission Regulation (EC) No. 552/2009 [no longer listed in Annex XVII as per their inclusion in the Commission Regulation (EC) No. 756/2010 on persistent organic pollutants (EU- POP-regulation)])

15 Chlorinated Benzenes and Toluenes

DyStar dyes and auxiliaries do not contain the listed PFC's incl. PFOS. The PFOA content (of a very few water and oil-repellent finishes) is considered in the auxiliaries assessment tables.

The limit value for chlorinated benzenes or toluenes in all product classes is 1 mg/kg. This effectively prohibits the use of carriers based on chlorinated benzenes and toluenes.

DyStar textile dyes, pigment preparations and textile auxiliaries do not contain chlorinated organic carriers as components of the product recipe.

16 Polycyclic Aromatic Hydrocarbons (PAHs)

In Edition 01/2011 a limit of 10 mg/kg was introduced for the above class of organic compounds with a specific limit of 1.0 mg/kg for benzo[a]pyrene. With effect from Edition 01/2014 the corresponding requirement has been revised for product class I with a limit of 5 mg/kg (sum of PAHs) and a specific limit of 0.5 mg/kg for benzo[a]pyrene and seven other specific PAH substances. For Class II-IV articles the limits are defined as 10 mg/kg for the sum and 1.0 mg/kg for listed individuals. The general restriction applies to "synthetic fibers, yarns or threads and for plastic materials". The specific limit for the benzo[a]pyrene additionally covered materials containing polyurethanes in former Editions of the OekoTex Standard.

The full list of individual chemical substances covered by this restriction is given below:

Acenaphthene	Benzo[j]fluoranthene	Dibenzo[a,j]pyrene
Acenaphthylene	Benzo[k]fluoranthene	Fluoranthene
Anthracene	Chrysene	Fluorene
Benzo[a]anthracene	Cyclopenta[c,d]pyrene	Indeno[1,2,3-cd]pyrene
Benzo[a]pyrene	Dibenz[a,h]anthracene	1-Methylpyrene
Benzo[b]fluoranthene	Dibenzo[a,e]pyrene	Naphthalene
Benzo[e]pyrene	Dibenzo[a,h]pyrene	Phenanthrene
Benzo[ghi]perylene	Dibenzo[a,i]pyrene	Pyrene

PAHs are created by the (incomplete) combustion of organic materials and might therefore exist as ubiquitous impurities (e.g. cigarette smoke, combustion gases, mineral oil components). Therefore unintended trace contaminations cannot be generally excluded.

However, the required maximum content for PAHs on finished articles should not be violated by using the listed DyStar textile dyes provided they are appropriately applied according to our recommendations

17 Alkylphenols (AP) and Alkylphenoethoxylates (APEO)

In 2001 the European Union agreed on a program for the cessation or phasing-out of individual AP and APEO discharges into the environment, because these substances are suspected to have a potential for an environmental risk and in 2003 a corresponding restriction on their marketing and use was enacted via EU directive 2003/53/EC. Annex XVII of the EU REACH® Regulation now includes the restriction on the marketing and use of the substances as such or of mixtures based thereon if the content exceeds 0.1% (1000 mg/kg).

Nevertheless, the use of APEOs as highly effective and cheap emulsifiers is very common in the chemical industry. Outside the EU the substances additionally still might be used as detergents, dispersing and wetting agents in the textile production process.

With effect from Edition 01/2014 the corresponding requirement has been revised in the Oeko-Tex® Standard 100 to limit the contaminant level on the finished articles as follows:

OP, NP Sum	10 mg/kg
OP,NP, OP(EO) ₁₋₂₀ , NP(EO) ₁₋₂₀ Sum	250 mg/kg

All DyStar global sales products are suitable for application on textiles meeting the Oeko-Tex® Standard 100 requirements. DyStar confirms that alkylphenols and respective ethoxylates (APEOs, i.e. nonylphenol ethoxylates "NPEO" and octylphenol ethoxylates "OPEO") are not used as intentional ingredients for the manufacture of DyStar's global sales products.

18 Prohibition of Special Finishes

The rules regarding Active Chemical Products (ACP) have been modified in several Editions of the Oeko-Tex® Standard 100:

- Biologically active products (formerly: biocide finish) are banned for all four product classes. Previously they were permitted for furnishings (Product Class IV). By exception, treatments which are accepted by Oeko-Tex® (see current list at www.Oeko-Tex.com) may continue to be used.
- Flame retardant products are generally banned for Product Classes I to IV with exception of treatments which are expressly accepted by Oeko-Tex® (see current list at www.Oeko-Tex.com).

The following flame retardants are generally banned:

Substances	CAS No.
Polybrominated biphenyls (PBB)	59536-65-1
Tri-(2,3-dibromopropyl)-phosphate (TRIS)	126-72-7
Tris-(aziridiny)-phosphin oxide (TEPA)	545-55-1
Pentabromodiphenylether (pentaBDE)	32534-81-9
Octabromodiphenylether (octaBDE)	32536-52-0
Decabromodiphenylether (decaBDE)	1163-19-5
Hexabromocyclododecane (HBCDD)	25637-99-4
Short chained chlorinated paraffins (SCCP C ₁₀ -C ₁₃)	85535-84-8
Tris-(2-chloroethyl)-phosphate (TCEP)	115-96-8

None of the DyStar products mentioned in this brochure are affected by this restriction.

Assessment of DyStar dyes and auxiliary chemicals according to the Oeko-Tex® Standard 100 criteria

DyStar colorants and textile auxiliaries do not present a risk to health for the operator or consumer provided they are applied correctly. Strict quality controls at all stages of production guarantee that DyStar products remain within narrow tolerances and at a consistently high level of quality.

The assessment tables below represent a list of all globally available DyStar products. The tables show whether a particular product qualifies for articles in compliance with Oeko-Tex® Standard 100 or not, giving additional information about specific limitations (see footnotes) where necessary.

The assessment holds for products supplied since January 2013. The product assessment tables are sorted by dyestuff classes and auxiliary function.

Use of the Product Assessment tables

Please note the following limitations when using the product assessment tables:

- The Oeko-Tex® Standard 100 sets criteria for the human ecological profile of dyed and finished textiles. Textile quality is not just determined by the dyestuff applied, but also by the peculiarities of the substrate, pre- and aftertreatment, finishing, auxiliaries and the dyeing methods used.
- Assessment is based on "typical" standard dyeings with regard to the choice of substrate, application methods, recipes etc. When extremely high dyestuff load is used (e.g. with micro fiber garments), or where a dye is used "atypically", e.g. extreme color depth, less than optimal substrate, or incorrect application methods etc., textile articles may result which cannot be certified, despite the dyestuff being classified as "basically suitable".
- When extremely deep shades are dyed, rub-fastness as well as saliva and perspiration fastness (for baby articles) and, if metal complex dyes are used, the extractable heavy metal contents should always be tested, irrespective of classification.
- Dyes are assessed - where not otherwise shown - based on a standard dyeing on standard fabric in 1/1 standard depth. DyStar has assessed its products for textile coloration and finishing against the criteria and limit values of Oeko-Tex® Standard 100,

Edition 01/2014 and this brochure indicates the suitability of each product using a traffic light coding introduced as part

of our confidence concept. Our recommendations are made based on our experience and on experiments performed under standard laboratory conditions which may not always represent the conditions used by our customer. Therefore the assessment and recommendations given in the following tables do not absolve the user from making his own tests and controls to ensure that the finished textile article conforms to the requirements of Oeko-Tex® Standard 100.



Green - products can be recommended for use without reservation.

Amber - products can be recommended but with certain limitations (see footnotes).

Red - products should not be recommended.

Overview of DyStar product ranges (as of December 2013)

Textile Colorants

For cellulosic fibers

- | | |
|-----------------|--|
| ○ Reactive dyes | Levafix®, Procion® and Remazol® |
| ○ Direct dyes | Sirius® |
| ○ Vat dyes | Indanthren® |
| ○ Indigo dyes | Indigo Granules and Solution, Brilliant Indigo |
| ○ Sulphur dyes | Cassulfon® , |
| ○ Azoic dyes | Naphtol AS®, Fast color salts and Fast color bases, Phtalogen® |

For polyester fibers

- | | |
|-----------------|---------|
| ○ Disperse dyes | Dianix® |
|-----------------|---------|

For polyamide fibers

- | | |
|-------------------------------|--------------------|
| ○ Acid and Metal complex dyes | Isolan® and Telon® |
| ○ Reactive dyes | Telon® RN |

For acrylic fibers

- | | |
|--------------|-----------|
| ○ Basic dyes | Astrazon® |
|--------------|-----------|

For wool and silk

- | | |
|-------------------------------|-------------------------------|
| ○ Acid and metal complex dyes | Supralan®, Isolan® and Telon® |
| ○ Chrome dyes | Diamond® |
| ○ Reactive dyes | Realan® |

For textile printing

- | | |
|------------------------|-------------------------|
| ○ Pigment preparations | Imperon® |
| ○ Printing dyestuffs | Dyes for all substrates |
| ○ Digital printing | Jettex® |

Textile Chemicals

- | | |
|---------------------------------|-------|
| ○ Dyeing & Printing Auxiliaries | Sera® |
| ○ Finishing Chemicals | Evo® |
| ○ Laundry Chemicals | Lava® |

Contacts

Unable to find it?

All colorants and auxiliaries on the DyStar global range (as at December 2013) are included in the assessment tables. If you require an assessment of any other DyStar product (e.g. support dyes, local products, deleted or recently launched products) then please contact your local DyStar representative or one of the Customer Service Team in Global Product Safety & Ecology:

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Assessment of global DyStar Products according to Oeko-Tex® Standard 100, edition 01/2014

DyStar assessment list of April 2014

Reactive dyes for dyeing cellulose-based fibers	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Levafix® reactive dyes			
Levafix® Amber CA-N		+	+
Levafix® Blue CA	4.4% Cu	+ *(Oe 1)	+
Levafix® Brilliant Blue E-B		+	+
Levafix® Brilliant Blue E-BRA		+	+
Levafix® Brilliant Blue E-FFN 150%		+	+
Levafix® Brilliant Red CA		+	+
Levafix® Brilliant Red E-4BA		+	+
Levafix® Brilliant Red E-6BA		+	+
Levafix® Brilliant Yellow CA		+	+
Levafix® Brown E-2R		+	+
Levafix® Dark Blue CA	2.4% Cu	+ *(Oe 1)	+
Levafix® Fast Red CA		+	+
Levafix® Golden Yellow E-G 150%		+	+
Levafix® Navy Blue E-BNA		+	+
Levafix® Navy CA		+	+
Levafix® Olive CA 100	2.4% Cu	+	+
Levafix® Orange CA		+	+
Levafix® Orange E-3GA		+	+
Levafix® Red CA		+	+
Levafix® Red CA-N		+	+
Levafix® Royal Blue E-FR		+	+
Levafix® Rubine CA	4.6% Cu	+	+
Levafix® Scarlet CA-N		+	+
Levafix® Scarlet E-2GA		+	+
Levafix® Yellow CA		+	+
Levafix® Yellow E-3RL		+	+
	Remarks	Suitability for Oeko-Tex® Standard 100	

Reactive dyes for dyeing cellulose-based fibers		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Procion® reactive dyes			
Procion® Black PX-2R liq 40%		+	+
Procion® Black PX-GR 150%		+	+
Procion® Black PX-GR liq 40%		+	+
Procion® Black PX-N	1.8% Cr III / 0.4% Co	+ *(Oe 1, 2)	+ *(Oe 1)
Procion® Black PX-N liq 40%	0.7% Cr III / 0.2% Co	+ *(Oe 1, 2)	+ *(Oe 1)
Procion® Blue H-EGN 125%		+ *(Oe 2)	+
Procion® Blue H-ERD	2.6% Cu	+ *(Oe 1)	+
Procion® Blue PX-5R	3.0% Cu	+ *(Oe 1)	+
Procion® Blue PX-5R liq 33%	1.0% Cu	+ *(Oe 1)	+
Procion® Brilliant Blue PX-3R		+	+
Procion® Brilliant Blue PX-3R liq 40%		+	+
Procion® Brilliant Orange H-EXL		+	+
Procion® Brilliant Red H-EGXL		+	+
Procion® Brown PX-2R		+	+
Procion® Brown PX-2R liq 40%		+	+
Procion® Crimson H-EXL		+ *(Oe 2)	+
Procion® Dark Blue H-EXL	4.1% Cu	+ *(Oe 1)	+
Procion® Flavine H-EXL		+	+
Procion® Golden Yellow PX-GR		+	+
Procion® Navy H-ER 150%		+	+
Procion® Navy H-EXL		+	+
Procion® Navy PX-2R		+	+
Procion® Navy PX-2R liq 40%		+	+
Procion® Navy PX-G		+	+
Procion® Navy PX-G liq 33%		+	+
Procion® Orange H-ER		+	+
Procion® Orange PX-RN		+	+
Procion® Orange PX-RN liq 40%		+	+
	Remarks	Suitability for Oeko-Tex® Standard 100	

Reactive dyes for dyeing cellulose-based fibers		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Procion® Red H-E3B		+	+
Procion® Red H-E7B		+ *(Oe 2)	+
Procion® Red PX-4B		+	+
Procion® Red PX-4B liq 33%		+	+
Procion® Red PX-5B		+	+
Procion® Red PX-5B liq 33%		+	+
Procion® Red PX-6B 150%	*F ₂	+ *(Oe 2)	+
Procion® Red PX-6B liq 33%	*F ₂	+	+
Procion® Red PX-8B	*F ₂	+ *(Oe 2)	+
Procion® Red PX-8B liq 33%	*F ₂	+ *(Oe 2)	+
Procion® Sapphire H-EXL		+ *(Oe 2)	+
Procion® Turquoise H-A	3.4% Cu	+ *(Oe 1)	+
Procion® Turquoise H-EXL	3.4% Cu	+ *(Oe 1)	+
Procion® Turquoise PX-GR 150%	2.1% Cu	+ *(Oe 1, 2)	+
Procion® Turquoise PX-GR liq 50%	0.9% Cu	+ *(Oe 1, 2)	+
Procion® Yellow H-E4R		+	+
Procion® Yellow H-E6G		+	+
Procion® Yellow H-EXL		+	+
Procion® Yellow PX-6GN		+	+
Procion® Yellow PX-6GN liq 33% 01		+	+
Procion® Yellow PX-8G		+	+
Procion® Yellow PX-R liq 33%		+	+
Remazol® reactive dyes			
Remazol® Black B 133%		+	+
Remazol® Black B liq 50%		+	+
Remazol® Black NF liq 50%		+	+
Remazol® Black RL 133%	2.7% Cu	+ *(Oe 1)	+
Remazol® Blue RGB	2.0% Cu	+	+
Remazol® Blue RR	2.0% Cu	+	+
Reactive dyes for dyeing cellulose-based fibers	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	

		Class I (baby articles)	Classes II - IV (other textiles)
Remazol® Brilliant Blue BB 133%	3.9% Cu	+	+
Remazol® Brilliant Blue BB liq 50%	1.5% Cu	+	+
Remazol® Brilliant Blue R spec		+	+
Remazol® Brilliant Blue R spec 160%		+	+
Remazol® Brilliant Blue RN		+	+
Remazol® Brilliant Orange 3R spec		+	+
Remazol® Brilliant Red 3BS 150%		+	+
Remazol® Brilliant Red BB 150%		+	+
Remazol® Brilliant Red F3B		+	+
Remazol® Brilliant Red F3B liq 25%		+	+
Remazol® Brilliant Violet 5R	3.7% Cu	+	+
Remazol® Brilliant Yellow 3GL		+	+
Remazol® Brilliant Yellow 4GL		+	+
Remazol® Brilliant Yellow GL 150%		+	+
Remazol® Carbon RGB		+	+
Remazol® Dark Blue SLT	3.5% Cu	+ *(Oe 1)	+
Remazol® Deep Black GWF		+	+
Remazol® Deep Black GWF liq 33%		+	+
Remazol® Deep Black N 150%		+	+
Remazol® Deep Black N liq 75%		+	+
Remazol® Deep Black RGB		+	+
Remazol® Deep Red RGB		+	+
Remazol® Golden Yellow RGB		+	+
Remazol® Golden Yellow RGB conc		+	+
Remazol® Golden Yellow RNL 150%		+	+
Remazol® Golden Yellow RNL liq 50%		+	+
Remazol® Green 6BT 133%	2.0% Ni	+ *(Oe 1, 2)	+
Remazol® Luminous Yellow FL		+	+
Remazol® Midnight Black RGB		+	+
Reactive dyes for dyeing cellulose-based fibers	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	

		Class I (baby articles)	Classes II - IV (other textiles)
Remazol® Navy Blue GG 133%		+	+
Remazol® Navy Blue GG liq 33%		+	+
Remazol® Navy RGB 150%		+	+
Remazol® Night Black RGB		+	+
Remazol® Onyx RGB		+	+
Remazol® Orange BN		+	+
Remazol® Orange RGB		+	+
Remazol® Orange RR		+	+
Remazol® Red 3B	3.8% Cu	+	+
Remazol® Red FLM		+	+
Remazol® Red RB 133%		+	+
Remazol® Red RB liq 50%		+	+
Remazol® Red RGB		+	+
Remazol® Red RR		+	+
Remazol® Scarlet RGB		+ *(Oe 2)	+
Remazol® Turquoise Blue G 133%	2.5% Cu	+	+
Remazol® Turquoise GN 266%	4.1% Cu	+ *(Oe 1)	+
Remazol® Ultra Carmine RGB		+	+
Remazol® Ultra Crimson RGB		+	+
Remazol® Ultra Navy Blue RGB		+	+
Remazol® Ultra Orange RGBN		+	+
Remazol® Ultra Red RGB		+	+
Remazol® Ultra Rubine RGB		+	+
Remazol® Ultra Yellow RGBN		+	+
Remazol® Yellow 3RS 150%		+	+
Remazol® Yellow GR 133%		+	+
Remazol® Yellow P-FG 150%		+	+
Remazol® Yellow R		+	+
Remazol® Yellow RR		+	+
Reactive dyes for dyeing cellulose-based fibers	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)

Lava® dyes			
Lava® Dye Black GLF 01		+	+
Lava® Dye Blue GLF	4.4% Cu	+ *(Oe 1)	+
Lava® Dye Crimson GLF		+	+
Lava® Dye Denim Black GLF		+	+
Lava® Dye Forest Green GL	2.0% Ni	+ *(Oe 1, 2)	+
Lava® Dye Indigo Blue GLF		+	+
Lava® Dye Lemon Yellow GLF		+	+
Lava® Dye Olive GLF	2.6% Cu	+	+
Lava® Dye Orange GL		+	+
Lava® Dye Phoenix Red GLF		+ *(Oe 2)	+
Lava® Dye Red GLF		+	+
Lava® Dye Sky Blue GLF		+	+
Lava® Dye Stone Grey GLF	2.7% Cu	+ *(Oe 1)	+
Lava® Dye Turquoise GLF	2.5% Cu	+	+
Lava® Dye Violet GLF	3.7% Cu	+	+
Lava® Dye Yellow GLF		+	+

Direct dyes for dyeing cellulose-based fibers	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Sirius® Direct dyestuffs			
(Suitable to at least 1/2 standard depth. Darker shades probably need a cationic after treatment to improve the wet fastness properties and to meet the limits for extractable heavy metals. The "fastness to saliva and perspiration" of Sirius dyed Oeko-Tex® Class I articles should always analytically be confirmed. To meet the saliva and perspiration fastness requirement for baby wear a cationic aftertreatment is generally recommended.)			
Sirius® Black G		+	+
Sirius® Black L-V		+	+
Sirius® Black OB-V 01		+	+
Sirius® Black VSF h/c		+	+
Sirius® Blue GN		+	+
Sirius® Blue K-BE	6.0% Cu	+ *(Oe 1)	+
Sirius® Blue K-CFN		+	+
Sirius® Blue S-BRR		+	+
Sirius® Brown 3RL		+	+
Sirius® Grey K-CGL	6.8% Cu	+	+
Sirius® Orange 3GDL		+	+
Sirius® Orange K-CF		+	+
Sirius® Red F3B		+	+
Sirius® Red F4BL		+	+
Sirius® Red K-BE	2.0% Cu	+ *(Oe 2)	+
Sirius® Royal Blue S		+	+
Sirius® Rubine K-2BL	4.1% Cu	+	+
Sirius® Scarlet BN		+	+
Sirius® Scarlet K-CF		+	+
Sirius® Turquoise S-FBL	4.4% Cu	+	+
Sirius® Yellow K-CF		+	+
Sirius® Yellow K-GRL		+	+
Sirius® Yellow S-2G		+	+

Vat dyes for dyeing cellulose-based fibers	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Indanthren® vat dyes Colloisol			
Indanthren® Black BB Coll		+	+
Indanthren® Blue BC Coll		+	+
Indanthren® Blue CLF Coll		+	+
Indanthren® Blue RS Coll		+	+
Indanthren® Brilliant Blue RCL Coll		+	+
Indanthren® Brilliant Green FFB Coll		+	+
Indanthren® Brilliant Orange GR Coll		+ *(Oe 9)	+ *(Oe 11)
Indanthren® Brilliant Pink R Coll		+	+
Indanthren® Brilliant Red LGG Coll		+	+
Indanthren® Brilliant Violet 3B Coll		+	+
Indanthren® Brown BR Coll		+	+
Indanthren® Brown EG-N Coll		+	+
Indanthren® Brown G Coll		+	+
Indanthren® Brown LBG Coll		+	+
Indanthren® Brown RN Coll		+	+
Indanthren® Dark Blue 5508 Coll		+	+
Indanthren® Dark Blue DB Coll		+	+
Indanthren® Deep Red FR Coll		+ *(Oe 9)	+ *(Oe 11)
Indanthren® Direct Black 5589 Coll		+	+
Indanthren® Direct Black RB Coll		+	+
Indanthren® Direct Black RBS Coll		+	+
Indanthren® Golden Yellow RK Coll		+	+
Indanthren® Green CLF Coll		+	+
Indanthren® Grey 5607 Coll		+	+
Indanthren® Grey NC Coll		+	+
Indanthren® Navy Blue BF Coll		+	+
Indanthren® Navy Blue G Coll		+	+
Indanthren® Navy Blue HBL Coll 01		+	+
	Remarks	Suitability for Oeko-Tex® Standard 100	

Vat yes for dyeing cellulose-based fibers		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Indanthren® Navy SR-N Coll		+	+
Indanthren® Olive Green B Coll		+	+
Indanthren® Olive MW Coll		+	+
Indanthren® Olive R Coll		+	+
Indanthren® Olive T Coll		+	+
Indanthren® Orange 3G Coll		+	+
Indanthren® Orange A-RRTS Coll		+	+
Indanthren® Red FBB Coll		+	+
Indanthren® Red FGL Coll		+ *(Oe 11)	+ *(Oe 10)
Indanthren® Red Violet RRN Coll o1		+	+
Indanthren® Rubine R Coll		+	+
Indanthren® Scarlet GG Coll		+ *(Oe 9)	+ *(Oe 11)
Indanthren® Violet B Coll		+	+
Indanthren® Yellow 3R Coll		+	+
Indanthren® Yellow 5GF Coll		+	+
Indanthren® Yellow F3GC Coll		+	+
Indanthren® vat dyes liquid			
Indanthren® Black G Coll liq		+	+
Indanthren® Blue BC Coll liq		+	+
Indanthren® Blue CLF Coll liq		+	+
Indanthren® Blue RS Coll liq		+	+
Indanthren® Bordeaux RR Coll liq		+	+
Indanthren® Brilliant Red LGG Coll liq		+	+
Indanthren® Brown BR Coll liq		+	+
Indanthren® Brown H2R Coll liq		+	+
Indanthren® Brown HBG Coll liq		+	+
Indanthren® Dark Blue DB Coll liq		+	+
Indanthren® Direct Black 5589 Coll liq		+	+
Indanthren® Direct Black RBS Coll liq		+	+
Vat yes for dyeing cellulose-based fibers	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	

		Class I (baby articles)	Classes II - IV (other textiles)
Indanthren® Golden Yellow RK Coll liq		+	+
Indanthren® Green FFB Coll liq		+	+
Indanthren® Grey NC Coll liq		+	+
Indanthren® Navy Blue G Coll liq		+	+
Indanthren® Olive Green B Coll liq		+	+
Indanthren® Orange GR Coll liq		+	+
Indanthren® Pink RB Coll liq		+	+
Indanthren® Yellow 5GF Coll liq		+	+
Indanthren® Yellow F ₃ GC Coll liq		+	+

Dyes for Denim	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
DyStar Indigo / Hydron			
DyStar Indigo 4B Coll liq		+	+
DyStar Indigo Coat		+	+
DyStar Indigo Vat 40% sol		+	+
DyStar Indigo Vat 60% grains		+	+
Cassulphon Sulphur dyes			
Cassulphon® Blue D		+	+
Cassulphon® Brown D		+	+
Cassulphon® Carbon CMR		+	+
Cassulphon® Olive D		+	+
Cassulphon® Orange D		+	+
Cassulphon® Red Brown D		+	+
Cassulphon® Yellow D		+	+

Azoic / developing dyes	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Fast dyes			
Fast Bordeaux GP Base		+	+
Fast Orange Salt RD		+	+
Fast Red B Base 110%		+	+
Fast Red Salt 3GL spec		+	+
Naphtol AS® dyes			
Naphtol AS® liq 50%		+	+
Naphtol AS®-CA		+	+
Naphtol AS®-SG liq 33%		+	+
Phtalogen® Blue IBN	5.8% Co	+ *(Oe 1)	+ *(Oe 1)

Disperse dyes for polyester	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Dianix® dyes			
Dianix® Amber CW-SF		+	+
Dianix® Black CC-3R 01		+	+
Dianix® Black CC-G		+	+
Dianix® Black CC-R		+	+
Dianix® Black E-G 02		+	+
Dianix® Black ETD 300% 01		+	+
Dianix® Black G liq		+	+
Dianix® Black HG-FS conc		+	+
Dianix® Black HSL liq 90%		+	+
Dianix® Black K-B		+	+
Dianix® Black S-2B 200%		+	+
Dianix® Black S-R 200%		—	+ *(Oe 11, 15)
Dianix® Black XF		+	+
Dianix® Black YKD		+	+
Dianix® Blue 3RLS		+	+
Dianix® Blue AC-E		+	+
Dianix® Blue BG liq		+	+
Dianix® Blue CC		+	+
Dianix® Blue E-R 150%		+	+
Dianix® Blue FBL 150%		+	+
Dianix® Blue K-2G		+	+
Dianix® Blue K-FBL		+	+
Dianix® Blue PLUS		+	+
Dianix® Blue S-2G		+	+
Dianix® Blue S-2R		+	+
Dianix® Blue S-BB		+	+
Dianix® Blue S-BG		+	+
Dianix® Blue UN-SE		+	+
Dianix® Blue XF		+	+

Disperse dyes for polyester	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Dianix® Brilliant Blue BG		+	+
Dianix® Brilliant Blue BGFN		+	+
Dianix® Brilliant Blue RN		+	+
Dianix® Brilliant Orange 4R		+	+
Dianix® Brilliant Orange G		+	+
Dianix® Brilliant Red SF		+	+
Dianix® Brilliant Scarlet SF		+	+
Dianix® Brilliant Violet B		+	+
Dianix® Brilliant Violet R		+	+
Dianix® Brown 3R liq		+	+
Dianix® Brown S-3R		+	+
Dianix® Chilli Red SF		+	+
Dianix® Crimson SF		+	+
Dianix® Cyanine B		+	+
Dianix® Dark Blue 3RT liq		+	+
Dianix® Dark Blue K-R		+	+
Dianix® Dark Blue SE-3RT		+	+
Dianix® Deep Black PLUS		–	+ *(Oe 6, 15)
Dianix® Deep Blue PLUS		+ *(Oe 11, 15)	+ *(Oe 10, 15)
Dianix® Deep Red SF		+	+
Dianix® ECO Black HF		+	+
Dianix® Flavine XF		+	+
Dianix® Golden Yellow SF		+	+
Dianix® Green CC		+	+
Dianix® Luminous Pink 5B		+	+
Dianix® Luminous Red 4B-C		+	+
Dianix® Luminous Red 4B-E		+	+
Dianix® Luminous Red B		+	+
Dianix® Luminous Red G		+	+
Dianix® Luminous Yellow 10G		+	+

Disperse dyes for polyester	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Dianix® Luminous Yellow GN		+	+
Dianix® Navy 2G liq		+	+
Dianix® Navy C-2G 150%		+	+
Dianix® Navy CC		+	+
Dianix® Navy CW-SF		+	+
Dianix® Navy S-2G 200%		+	+
Dianix® Navy S-G 200%		+ *(Oe 9, 15)	+ *(Oe 10, 15)
Dianix® Navy UN-SE 200% 01		+	+
Dianix® Navy XF		+	+
Dianix® Orange C-RN 150%		+	+
Dianix® Orange G liq		+	+
Dianix® Orange K-3G		—	+ *(Oe 11, 15)
Dianix® Orange PLUS		+	+
Dianix® Orange S-G 200%		+	+
Dianix® Orange UN-SE 01		+	+
Dianix® Pink REL liq		+	+
Dianix® Red 4G liq 150%		+	+
Dianix® Red AC-E 01		+	+
Dianix® Red BEL liq		+	+
Dianix® Red BLS 200%		+	+
Dianix® Red C-4G 150%		+	+
Dianix® Red CBN-SF		+	+
Dianix® Red CC		+	+
Dianix® Red E-FB		+	+
Dianix® Red F2B 400%		+	+
Dianix® Red K-2B		+	+
Dianix® Red K-3G		+	+
Dianix® Red PLUS		+ *(Oe 10)	+ *(Oe 10)
Dianix® Red S-2B		+	+
Dianix® Red S-BEL		+	+

Disperse dyes for polyester	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Dianix® Red SE-CB		+	+
Dianix® Red S-G		+	+
Dianix® Red UN-SE		+	+
Dianix® Red Violet XF liq		+	+
Dianix® Royal Blue CC		+	+
Dianix® Royal CW-SF		+	+
Dianix® Rubine 2G liq		+	+
Dianix® Rubine CC		+	+
Dianix® Rubine CW-SF		+	+
Dianix® Rubine ETD 300%		+	+
Dianix® Rubine PLUS		+	+
Dianix® Rubine S-2G 150%		+	+
Dianix® Rubine S-3B		+	+
Dianix® Rubine SE-B		+	+
Dianix® Rubine UN-SE		+	+
Dianix® Rubine XF2		+	+
Dianix® Rubine XFS		+	+
Dianix® Scarlet AD-RG		+	+
Dianix® Scarlet CC		+	+
Dianix® Scarlet UN-SE		+	+
Dianix® Scarlet XF		+	+
Dianix® Sport Red SFN		+	+
Dianix® Turquoise BG liq		+	+
Dianix® Turquoise S-BG		+	+
Dianix® Turquoise XF		+	+
Dianix® Violet S-4R		+	+
Dianix® Yellow 3G liq		+	+
Dianix® Yellow 6G liq		+	+
Dianix® Yellow AC-E new		+	+
Dianix® Yellow Brown 2R liq		–	+ *(Oe 11, 15)

Disperse dyes for polyester	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Dianix® Yellow Brown CC		+	+
Dianix® Yellow Brown S-4R 150%		+	+
Dianix® Yellow Brown SE-R		+ *(Oe 9)	+ *(Oe 9)
Dianix® Yellow Brown XF		+	+
Dianix® Yellow CC		+ *(Oe 12)	+ *(Oe 12)
Dianix® Yellow E-3G		+	+
Dianix® Yellow E-3GE		+	+
Dianix® Yellow K-4G		+	+
Dianix® Yellow PLUS		+	+
Dianix® Yellow S-3G		+	+
Dianix® Yellow S-4G		+	+
Dianix® Yellow S-6G		+	+
Dianix® Yellow SE-G		+	+
Dianix® Yellow S-G		+	+
Dianix® Yellow UN-SE 200% 01		+	+

Dyes for wool	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Diamond dyes Diamond dyes do not contain heavy metals but they are applied using a chrome (VI) salt which is chemically converted into chrome (III) during the dyeing process. Textiles dyed with Diamond dyes will nevertheless meet the Oeko Tex® requirements for extractable chromium providing dyeing is performed strictly according to DyStar's recommendations. This may not hold true with shrink-resist/easy care treated wool or for products marked with footnote *(Oe 1) in very deep shades. Compliance with extractable chromium limits must be tested in such cases.			
Diamond Black PLC		+	+
Diamond Black PV 200%		+	+
Diamond Black PV 200% micro		+	
Diamond Black TF 250%		–	+
Diamond Fast Blue BL 01		+ *(Oe 1)	+
Diamond Fast Brown KE 01		+	+
Diamond Navy Blue RRN 03		+ *(Oe 1)	+
Diamond Red CHF		+ *(Oe 1, 4)	+ *(Oe 1)
Isolan® 1:2 acid metal complex dyes (wool) Elastane containing fabrics dyed with Isolan® dyes may not meet the limits for extractable chromium or cobalt. Representative samples of such fabrics should be generally tested for compliance. It is furthermore recommended to test Isolan® dyed textiles for extractable chromium and/or cobalt, if the shade is very deep or the dyeing/rinsing conditions deviate from optimum standard processes.			
Isolan® Black 2S-LD	3.0% Cr III	+ *(Oe 1, 4)	+
Isolan® Black 2S-LDN	2.1% Cr III	–	+
Isolan® Black 2S-LDN liq 01	1.0% Cr III	–	+
Isolan® Black 2S-LDR liq	1.0% Cr III	–	+
Isolan® Black 2S-LGN liq 01	1.2% Cr III	–	+
Isolan® Blue 3GL	3.0% Co	+ *(Oe 1)	+
Isolan® Bordeaux 2S-B	4.0% Cr III	+ *(Oe 4)	+
Isolan® Bordeaux R 220% 01	5.6% Co	+ *(Oe 4)	+
Isolan® Brown 2S-BL	3.5% Cr III	+	+
Isolan® Dark Blue 2S-GL 03	3.2% Cr III	+ *(Oe 1)	+
Isolan® Grey K-PBL 200% 02	2.6% Cr III	+ *(Oe 4)	+
Isolan® Olive 2S-BGL	3.4% Co	+	+
Isolan® Olive S-G	2.6% Cr III	–	+
Isolan® Orange K-RLS 135%	2.5% Cr III	–	+
Isolan® Red 2S-BR	3.6% Cr III	+	+

Dyes for wool	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Isolan® Scarlet 2S-L	3.6% Cr III	+ *(Oe 4)	+
Isolan® Scarlet K-GLS 150%	1.8% Cr III	–	+
Isolan® Yellow 2S-GLN	4.1% Cr III	+	+
Isolan® Yellow GRL	3.5% Co	+ *(Oe 1, 4)	+
Isolan® Yellow K-GLN 250% 01	3.0% Cr III	–	+
Isolan® Yellow K-PRL 200%	2.9% Co	+ *(Oe 4)	+
Realan® reactive dyes for wool			
Realan® Amber EHF		+	+
Realan® Black EHF		+	+
Realan® Black G		+	+
Realan® Blue EHF		+	+
Realan® Deep Red EHF		+	+
Realan® Navy EHF		+	+
Realan® Red EHF		+	+
Realan® Royal EHF		+	+
Realan® Yellow EHF		+	+
Supralan® acid dyes for wool			
Elastane containing fabrics dyed with Supralan® dyes may not meet the limits for extractable chromium or cobalt. Representative samples of such fabrics should be generally tested for compliance. It is furthermore recommended to test Supralan® dyed textiles for extractable chromium and/or cobalt, if the shade is very deep or the dyeing/rinsing conditions deviate from optimum standard processes.			
Supralan® Black S-B	3.9% Cr III / 0.3% Co	–	+
Supralan® Blue 2R		+ *(Oe 4)	+
Supralan® Blue GLW		+ *(Oe 4)	+
Supralan® Dark Blue C-WN	3.5% Cr III	+	+
Supralan® Green BW		+	+
Supralan® Green S-GLN	1.4% Cr III	+ *(Oe 4)	+
Supralan® Grey C-2G	2.3% Cr III / 0.8% Co	+	+
Supralan® Grey C-WN	2.7% Cr III	+	+
Supralan® Grey S-GL	3.2% Cr III	+	+
Supralan® Navy Blue S-RL	2.9% Cr III	+	+

Dyes for wool	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Supralan® Navy S-B	2.1% Cr III	+ *(Oe 4)	+
Supralan® Orange S-RL	3.1% Cr III	+ *(Oe 4)	+
Supralan® Red C-G	2.1% Cr III	+	+
Supralan® Red C-WN	3.4% Cr III	+ *(Oe 4)	+
Supralan® Red GWN		+	+
Supralan® Red S-RL	3.1% Cr III	+ *(Oe 4)	+
Supralan® Yellow 4GL		+	+
Supralan® Yellow C-2R	1.4% Cr III / 0.8% Co	+ *(Oe 4)	+
Supralan® Yellow C-WN	2.1% Co	+ *(Oe 4)	+
Supralan® Yellow S-GL	3.8% Cr III	+ *(Oe 4)	+
Telon® acid dyes for wool			
Telon® Blue A3GL		–	+
Telon® Blue AFN		+ *(Oe 4)	+
Telon® Blue AGLF		+ *(Oe 4)	+
Telon® Blue BRL micro		–	+
Telon® Blue GGL 03		–	+
Telon® Blue M-BLW		+ *(Oe 4)	+
Telon® Blue M-RLW		+ *(Oe 4)	+
Telon® Blue RR 02		–	+
Telon® Brown 3G 200%		+	+
Telon® Green M-6GW		+	+
Telon® Orange M-GSN 03		+	+
Telon® Red A2FR		+ *(Oe 4)	+
Telon® Red BN 03		–	+
Telon® Red BRL micro		–	+
Telon® Red FRL micro		–	+
Telon® Red M-3B 80%		+ *(Oe 4)	+
Telon® Red M-BL		+	+
Telon® Red M-CA		+	+
	Remarks	Suitability for Oeko-Tex® Standard 100	

Dyes for wool		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Telon® Red M-R		+	+
Telon® Turquoise M-5G 85%		+ *(Oe 1, 4)	+
Telon® Violet M-RWN 01	3.6% Cu	+	+
Telon® Yellow A3GL 01		–	+
Telon® Yellow ARB 01		+ *(Oe 4)	+
Telon® Yellow FG 01		–	+
Telon® Yellow M-4GL		+	+
Telon® Yellow RLN micro		–	+

Dyes for polyamide	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Isolan® 1:2 acid metal complex dyes for polyamide			
We generally recommend an after treatment of Isolan® dyeings on polyamide for the improvement of the wet fastness properties. This may also help to meet the very low limits for extractable cobalt and chromium content. Elastane containing fabrics dyed with Isolan® dyes may not meet the limits for extractable chromium or cobalt. Representative samples of such fabrics should be generally tested for compliance. It is furthermore recommended to test Isolan® dyed textiles for extractable chromium and/or cobalt, if the shade is very deep or the dyeing/rinsing conditions deviate from optimum standard processes.			
Isolan® Black 2S-CP	3.0% Cr III	+ *(Oe 3)	+
Isolan® Black 2S-EL	2.4% Cr III	+ *(Oe 3)	+
Isolan® Black 2S-LD	3.0% Cr III	+ *(Oe 1, 3)	+
Isolan® Black 2S-LDN	2.1% Cr III	+ *(Oe 3)	+
Isolan® Black 2S-LDN liq 01	1.0% Cr III	+ *(Oe 3)	+
Isolan® Black 2S-LDR liq	1.0% Cr III	+ *(Oe 3)	+
Isolan® Black 2S-LGN liq 01	1.2% Cr III	+ *(Oe 3)	+
Isolan® Black 3RL	3.7% Cr III	–	+
Isolan® Black NHF-S	5.7% Cr III	+ *(Oe 3)	+
Isolan® Blue 3GL	3.0% Co	+ *(Oe 3)	+
Isolan® Blue NHF-S	3.5% Cr III	+ *(Oe 3)	+
Isolan® Bordeaux 2S-B	4.0% Cr III	+ *(Oe 3)	+
Isolan® Bordeaux NHF-S	4.0% Cr III	+ *(Oe 3)	+
Isolan® Bordeaux R 220% 01	5.6% Co	+ *(Oe 3)	+
Isolan® Brown 2S-BL	3.5% Cr III	+ *(Oe 3)	+
Isolan® Brown NHF-S	3.2% Cr III	+ *(Oe 3)	+
Isolan® Dark Blue 2S-GL 03	3.2% Cr III	+ *(Oe 3)	+
Isolan® Grey K-PBL 200% 02	2.6% Cr III	+ *(Oe 3)	+
Isolan® Grey NHF-S	2.7% Cr III	+ *(Oe 3)	+
Isolan® Navy NHF-S	2.9% Cr III	+ *(Oe 3)	+
Isolan® Olive 2S-BGL	3.4% Co	+ *(Oe 3)	+
Isolan® Olive S-G	2.6% Cr III	–	+
Isolan® Orange K-RLS 135%	2.5% Cr III	+ *(Oe 3)	+
Isolan® Orange NHF-S	3.1% Cr III	+ *(Oe 3)	+
Isolan® Red 2S-BR	3.6% Cr III	+ *(Oe 3)	+

Dyes for polyamide	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Isolan® Red Brown NHF-S	3.1% Cr III	–	+
Isolan® Red NHF-S	2.4% Cr III	+ *(Oe 3)	+
Isolan® Red S-CP	2.4% Cr III	+ *(Oe 3)	+
Isolan® Red S-RL	3.1% Cr III	+ *(Oe 3)	+
Isolan® Scarlet 2S-L	3.6% Cr III	+ *(Oe 3)	+
Isolan® Scarlet K-GLS 150%	1.8% Cr III	+ *(Oe 3)	+
Isolan® Silver NHF-S	3.2% Cr III	+ *(Oe 3)	+
Isolan® Ultramarine NHF-S	2.1% Cr III	+ *(Oe 3)	+
Isolan® Ultramarine S-CP	2.8% Cr III	+ *(Oe 3)	+
Isolan® Yellow 2S-GLN	4.1% Cr III	+ *(Oe 3)	+
Isolan® Yellow GRL	3.5% Co	+ *(Oe 3)	+
Isolan® Yellow K-GLN 250% 01	3.0% Cr III	+ *(Oe 3)	+
Isolan® Yellow K-PRL 200%	2.9% Co	+ *(Oe 3)	+
Isolan® Yellow NHF-S	2.1% Co	+ *(Oe 3)	+
Telon® acid dyes for polyamide			
Telon® Black AMF		–	+
Telon® Blue A2R		+ *(Oe 3)	+
Telon® Blue A3GL		+ *(Oe 3)	+
Telon® Blue AFN		+ *(Oe 3)	+
Telon® Blue AGLF		+ *(Oe 3)	+
Telon® Blue BRL micro		–	+
Telon® Blue CD-RP		+ *(Oe 3)	+
Telon® Blue GGL 03		–	+
Telon® Blue M-2R		+ *(Oe 3)	+
Telon® Blue M-BLW		+ *(Oe 3)	+
Telon® Blue M-GLW		+ *(Oe 3)	+
Telon® Blue M-RLW		+ *(Oe 3)	+
Telon® Blue RR 02		+ *(Oe 3)	+
Telon® Brown 3G 200%		+ *(Oe 3)	+
Telon® Flavine M-7G		+ *(Oe 3)	+

Dyes for polyamide	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Telon® Green M-6GW		+ *(Oe 3)	+
Telon® Green M-BG		+ *(Oe 3)	+
Telon® Green M-BW		+ *(Oe 3)	+
Telon® Navy AMF		+ *(Oe 3)	+
Telon® Orange AGT 01		+ *(Oe 3)	+
Telon® Orange M-GSN 03		+ *(Oe 3)	+
Telon® Pink BRLF		+ *(Oe 3)	+
Telon® Red 2B 03		+ *(Oe 3)	+
Telon® Red 2BL micro 01		+ *(Oe 3)	+
Telon® Red 2BN 01		+ *(Oe 3)	+
Telon® Red A2FR		+ *(Oe 3)	+
Telon® Red A2R		+ *(Oe 3)	+
Telon® Red AFG		+ *(Oe 3)	+
Telon® Red BRL micro		+ *(Oe 3)	+
Telon® Red CD-RB		+ *(Oe 3)	+
Telon® Red FRL micro		–	+
Telon® Red M-3B 80%		+ *(Oe 3)	+
Telon® Red M-BL		+ *(Oe 3)	+
Telon® Red M-CA		+ *(Oe 3)	+
Telon® Red M-CP		+ *(Oe 3)	+
Telon® Red M-GWN		+ *(Oe 3)	+
Telon® Red M-R		+ *(Oe 3)	+
Telon® Rhodamine M-BN		+ *(Oe 3)	+
Telon® Rubine A5B 01		+ *(Oe 3)	+
Telon® Turquoise M-5G 85%	3.6% Cu	+ *(Oe 1, 3)	+
Telon® Violet M-RWN 01		+ *(Oe 3)	+
Telon® Yellow 4R micro 01		–	+
Telon® Yellow A2R		+ *(Oe 3)	+
Telon® Yellow A3GL 01		+ *(Oe 3)	+
Telon® Yellow A3R 01		+ *(Oe 3)	+

Dyes for polyamide	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Telon® Yellow ARB 01		+ *(Oe 3)	+
Telon® Yellow CD-RG	*F ₂	+ *(Oe 3)	+
Telon® Yellow FG 01		+ *(Oe 3)	+
Telon® Yellow FRL micro 01		–	+
Telon® Yellow M-4GL		+ *(Oe 3)	+
Telon® Yellow M-5GL 01		+ *(Oe 3)	+
Telon® Yellow M-CP		+ *(Oe 3)	+
Telon® Yellow RLN micro		+ *(Oe 3)	+

Cationic / Basic dyes for acrylic fibers	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Astrazon® dyes			
Astrazon® Black BN liq		+	+
Astrazon® Black DL liq		+	+
Astrazon® Black FDL 200%		+	+
Astrazon® Black FDL liq		+	+
Astrazon® Black MBL liq		+	+
Astrazon® Black ON		+	+
Astrazon® Black SW 200%		+	+
Astrazon® Black SW liq		+	+
Astrazon® Blue 3RL micro 200%		+	+
Astrazon® Blue 5GL 200%		+	+
Astrazon® Blue BG liq		+	+
Astrazon® Blue BG micro 200%		+	+
Astrazon® Blue BRL 200%		+	+
Astrazon® Blue F2RL 200%		+	+
Astrazon® Blue F2RL liq		+	+
Astrazon® Blue FBL liq 200%		+	+
Astrazon® Blue FGGL 300%		+	+
Astrazon® Blue FGGL liq 200%		+	+
Astrazon® Blue FGRL liq 200%		+	+
Astrazon® Blue FGRL micro 200%		+	+
Astrazon® Blue NCN liq		+	+
Astrazon® Brilliant Red 4G liq 200%		+	+
Astrazon® Brilliant Red G liq 200%		+	+
Astrazon® Dark Blue 2RN		+	+
Astrazon® Flavine 10GFF 300%		+	+
Astrazon® Golden Yellow GL liq 200%		+	+
Astrazon® Golden Yellow GL-E 200%		+	+
Astrazon® Golden Yellow GL-E conc		+	+
	Remarks	Suitability for Oeko-Tex® Standard 100	

Cationic / Basic dyes for acrylic fibers		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Astrazon® Green M		+	+
Astrazon® Green MS liq 50%		+	+
Astrazon® Orange RN 200%		+	+
Astrazon® Red BBL 200%		+	+
Astrazon® Red FBL 200%		+	+
Astrazon® Red FBL liq		+	+
Astrazon® Red GL-N 300%		+	+
Astrazon® Red GTL 200%		+	+
Astrazon® Red GTLN 200% micro		+	+
Astrazon® Red GTLN liq		+	+
Astrazon® Red Violet 3RN		+	+
Astrazon® Red Violet 3RN liq		+	+
Astrazon® Yellow 5GL 200%		+	+
Astrazon® Yellow 7GLL 200%		+	+
Astrazon® Yellow 7GLL liq		+	+
Astrazon® Yellow 8GSL 200%		+	+
Astrazon® Yellow 8GSL liq 200%		+	+

Pigments for printing	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Imperon® pigment preparations			
Imperon® Black HF-R	*E1	+ *(Oe 19)	+ *(Oe 19)
Imperon® Black K-FBB	*E1	+ *(Oe 19)	+ *(Oe 19)
Imperon® Black K-FBB 01	*E1	+ *(Oe 19)	+ *(Oe 19)
Imperon® Black P-G	*E1	+ *(Oe 19)	+ *(Oe 19)
Imperon® Blue HF-R	3.1% Cu	+	+
Imperon® Blue HF-T		+	+
Imperon® Blue K-B	4.1% Cu	+	+
Imperon® Blue K-BG	4,5% Cu	+	+
Imperon® Blue K-RR	2,8% Cu	+ *(Oe 7, 17)	+ *(Oe 7)
Imperon® Blue P-B	4.1% Cu	+	+
Imperon® Brilliant Pink K-3BL		+	+
Imperon® Brown K-BL	*E1	+ *(Oe 7)	+ *(Oe 7)
Imperon® Dark Brown K-RT	*E1	+ *(Oe 19)	+ *(Oe 19)
Imperon® Golden Yellow HF-R		+	+
Imperon® Green K-G	2.8% Cu	–	+
Imperon® Navy P-5R 01	1.4% Cu	+ *(Oe 7)	+ *(Oe 7)
Imperon® Orange K-G	*E2	+ *(Oe 14)	+ *(Oe 14)
Imperon® Orange K-GR		+ *(Oe 7)	+ *(Oe 7)
Imperon® Orange K-R		+ *(Oe 16)	+ *(Oe 16)
Imperon® Printing White P-W 01		+	+
Imperon® Red Brown HF-G		+	+
Imperon® Red HF-6B		+	+
Imperon® Red HF-S		+	+
Imperon® Red K-B		+	+
Imperon® Red K-GC		+	+
Imperon® Red P-B		+	+
Imperon® White K-DRN 01		+	+
Imperon® Yellow HF-5G		+	+
Imperon® Yellow K-2G	*F1	–	+

Pigments for printing	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Imperon® Yellow K-3G	*F1	+	+
Imperon® Yellow K-4G	*F1	–	+
Imperon® Yellow K-GL		+	+
Imperon® Yellow K-R		+ *(Oe 7)	+ *(Oe 7)
Imperon® Yellow P-R		+ *(Oe 7)	+ *(Oe 7)
Colaris digital printing			
Colaris Acid Black A1	0.3% Cr III	+ *(Oe 1, 2)	+ *(Oe 1)
Colaris Acid Blue A1		+	+
Colaris Acid Cyan A1	0.6% Cu	+	+
Colaris Acid Grey A1	0.1% Cr III	+ *(Oe 1, 2)	+ *(Oe 1)
Colaris Acid Magenta A1		+	+
Colaris Acid Orange A1		+	+
Colaris Acid Red A1		+	+
Colaris Acid Yellow A1		+	+
Colaris Disperse Black D1		+	+
Colaris Disperse Blue D1		+	+
Colaris Disperse Cyan D1		+	+
Colaris Disperse Grey D1		+	+
Colaris Disperse Magenta D1		+	+
Colaris Disperse Orange D1		+	+
Colaris Disperse Red D1		+	+
Colaris Disperse Yellow D1		+	+
Colaris Reactive Black R1		+	+
Colaris Reactive Black R2	F2	+	+
Colaris Reactive Blue R1		+	+
Colaris Reactive Cyan R1	0.6% Cu	+ *(Oe 1, 2)	+
Colaris Reactive Grey R1	0.1% Cr III / 0.1% Co	+ *(Oe 1, 2)	+ *(Oe 1)
Colaris Reactive Light Magenta R1	*F2	+	+
Colaris Reactive Magenta R1	*F2	+	+
Colaris Reactive Orange R1	*F2	+	+

Inks for digital printing	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Colaris Reactive Red R1		+	+
Colaris Reactive Yellow R1		+	+
		+	+

Jettex® printing inks (liquid inks)	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Jettex® A			
Jettex® A Black SK	0.3% Cr III	+ *(Oe 1, 2)	+ *(Oe 1)
Jettex® A Black V	0.5% Cr III	+ *(Oe 1, 2)	+ *(Oe 1)
Jettex® A Blue SK		+	+
Jettex® A Blue V		+	+
Jettex® A Cyan SK	0.6% Cu	+	+
Jettex® A Cyan V	0.4% Cu	+	+
Jettex® A Flavine V		+	+
Jettex® A Grey SK	0.1% Cr III	+ *(Oe 1, 2)	+ *(Oe 1)
Jettex® A Grey V	0.1% Cr III	+ *(Oe 1, 2)	+ *(Oe 1)
Jettex® A Magenta SK		+	+
Jettex® A Magenta V 01		+	+
Jettex® A Orange SK		+	+
Jettex® A Orange V 01		+	+
Jettex® A Red SK		+	+
Jettex® A Red V 01		+	+
Jettex® A Rhodamine V		+	+
Jettex® A Yellow SK		+	+
Jettex® A Yellow V		+	+
Jettex® D			
Jettex® D Black SK		+	+
Jettex® D Black SK 02		+	+
Jettex® D Black V		+	+
Jettex® D Blue SK		+	+
Jettex® D Blue V		+	+
Jettex® D Cyan SK		+	+
Jettex® D Cyan V		+	+
Jettex® D Grey SK		+	+
Jettex® D Grey V		+	+
Jettex® D Magenta SK		+	+

Jettex® printing inks (liquid inks)	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Jettex® D Magenta V		+	+
Jettex® D Orange SK		+	+
Jettex® D Orange V		+	+
Jettex® D Red SK		+	+
Jettex® D Red V		+	+
Jettex® D Yellow SK		+	+
Jettex® D Yellow V			
Jettex® R			
Jettex® R Black SK 02		+	+
Jettex® R Black V 01	*F ₂	+	+
Jettex® R Blue SK		+	+
Jettex® R Blue V		+	+
Jettex® R Cyan SK	0.2% Cu	+ *(Oe 1, 2)	+
Jettex® R Cyan V	0.6% Cu	+ *(Oe 1, 2)	+
Jettex® R Grey SK	0.1% Cr III / 0.1% Co	+ *(Oe 1, 2)	+ *(Oe 1)
Jettex® R Grey V	0.1% Cr III / 0.1% Co	+ *(Oe 1, 2)	+ *(Oe 1)
Jettex® R Light Magenta SK	*F ₂	+	+
Jettex® R Magenta SK	*F ₂	+	+
Jettex® R Magenta V 01	*F ₂	+	+
Jettex® R Orange SK		+	+
Jettex® R Orange V 01		+	+
Jettex® R Red SK		+	+
Jettex® R Red V		+	+
Jettex® R Yellow SK		+	+
Jettex® R Yellow V		+	+
Jettex® R KC			
Jettex® R Black KC		+	+
Jettex® R Blue KC		+	+
Jettex® R Cyan KC	1.0% Cu	+ *(Oe 1, 2)	+

Jettex® printing inks (liquid inks)	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Jettex® R Deep Black KC		+	+
Jettex® R Grey KC	0.3% Cr III / 0.4% Co	+ *(Oe 1, 2)	+ *(Oe 1)
Jettex® R Magenta KC	*F ₂	+	+
Jettex® R Orange KC		+	+
Jettex® R Red KC		+	+
Jettex® R Yellow KC		+	+

Powder ink concentrates	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Jettex® A Black LD	3.8% Cr III	+ *(Oe 1, 2)	+ *(Oe 1)
Jettex® A Blue RLW		+	+
Jettex® A Flavine 7GFL		+	+
Jettex® A Orange GSN		+	+
Jettex® A Red 3B		+	+
Jettex® A Red G		+	+
Jettex® A Rhodamine BN		+	+
Jettex® A Scarlet 2G		+	+
Jettex® A Turquoise GL	7.5% Cu	+	+
Jettex® A Yellow 4G		+	+
Jettex® R Black GR 01		+	+
Jettex® R Black N		+	+
Jettex® R Blue 3R 01		+	+
Jettex® R Grey GM 01	1.8% Cr III / 2.1% Co	+ *(Oe 1, 2)	+ *(Oe 1)
Jettex® R Orange RN 01		+	+
Jettex® R Red 4B liq 20% 01	*F ₂	+	+
Jettex® R Red B 01		+	+
Jettex® R Turquoise GM liq 33% 01	0.9% Cu	+ *(Oe 1, 2)	+
Jettex® R Yellow 8G 01		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Diaserver AD-95		+	+
Evo® Care AVH		+	+
Evo® Care AVP		+	+
Evo® Care BeeWell		+	+
Evo® Care SJO		+	+
Evo® Care VITAL		+	+
Evo® Dot 61		+	+
Evo® Dot LSF 24		+	+
Evo® Dot PU		+	+
Evo® Dot SCR 47		+	+
Evo® Dot SCR 47 N		+	+
Evo® Dot VD2		+	+
Evo® Dot VD3		+	+
Evo® Fin AHK		+	+
Evo® Fin APR		+	+
Evo® Fin ASC		+	+
Evo® Fin ASH		+	+
Evo® Fin ASK		+	+
Evo® Fin ATR		+	+
Evo® Fin ESB		+	+
Evo® Fin HDF		+	+
Evo® Fin HPU		+	+
Evo® Fin JBL		+	+
Evo® Fin KGN		+	+
Evo® Fin MSK		–	+
Evo® Fin MSR		+	+
Evo® Fin MSU		+	+
Evo® Fin NET		+	+
Evo® Fin PE		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Evo® Fin PI		+	+
Evo® Fin PK 2		–	+
Evo® Fin PLD		–	+
Evo® Fin PLR		+	+
Evo® Fin PSR		+	+
Evo® Fin PSR 01		+	+
Evo® Fin PUS		+	+
Evo® Fin RPA-T		+	+
Evo® Fin SCF		+	+
Evo® Fin SRP 30		+	+
Evo® Fin SRP 100		+	+
Evo® Fin TSR-L		–	+
Evo® Fin USF		+	+
Evo® Foam DFS		+	+
Evo® Foam SI		+	+
Evo® Fresh CDL		+	+
Evo® Fresh RSO new		+	+
Evo® Lan A 334		+	+
Evo® Lan A 342		+	+
Evo® Lan AP 30		+	+
Evo® Lan GWA		+	+
Evo® Lan GWN		+	+
Evo® Lan OX		+	+
Evo® Lan SC		+	+
Evo® Lan SET		+	+
Evo® Lan WAF		+	+
Evo® Lan WAP		+	+
Evo® Lube BOND		+	+
Evo® Lube MSM		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Evo® Lube OVG-TH		+	+
Evo® Lube PFR		+	+
Evo® Lube TS 42		+	+
Evo® Pret MB		–	+ *(Oe 20)
Evo® Pret MFA		–	+
Evo® Pret RCI		–	+
Evo® Pret RCI 02		–	+
Evo® Pret RCI-H		–	+
Evo® Pret REL conc		–	+
Evo® Pret RFF		+	+
Evo® Pret RFI		+	+
Evo® Pret RFO		+	+
Evo® Pret RMC		–	+ *(Oe 20)
Evo® Pret RME		–	+ *(Oe 20)
Evo® Pret RMT		–	+ *(Oe 20)
Evo® Pret RSF		–	+
Evo® Pret RSF 01		–	+
Evo® Pret RSL		–	+
Evo® Pret-Cat KBC		+	+
Evo® Pret-Cat KLF		+	+
Evo® Pret-Cat KMT		+	+
Evo® Pret-Cat KWO		+	+
Evo® Protect 9256		–	+
Evo® Protect DWA		+	+
Evo® Protect DWA new		+	+
Evo® Protect ELW		+	+
Evo® Protect ERA		+	+
Evo® Protect ERG		+	+
Evo® Protect ERN		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Evo® Protect ESA		+	+
Evo® Protect ESH		+	+
Evo® Protect ESM		+	+
Evo® Protect FBB		–	+
Evo® Protect FBC		–	+
Evo® Protect FCC		–	+
Evo® Protect FSV		–	+
Evo® Protect FXM		–	+
Evo® Protect XL		+	+
Evo® Protect XP 145		+	+
Evo® Soft 8402A		+	+
Evo® Soft AHT Base		+	+
Evo® Soft ANI		+	+
Evo® Soft ANI 01		+	+
Evo® Soft APE		+	+
Evo® Soft BAN-H		+	+
Evo® Soft CES 100		+	+
Evo® Soft CH		+	+
Evo® Soft CP 100		+	+
Evo® Soft CSI		+	+
Evo® Soft CWD		+	+
Evo® Soft DCL Base		+	+
Evo® Soft ELP		+	+
Evo® Soft EPS conc		+	+
Evo® Soft EPS conc 02		+	+
Evo® Soft GAS		+	+
Evo® Soft HCS		+	+
Evo® Soft HDS		+	+
Evo® Soft HID conc		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Evo® Soft HSA		+	+
Evo® Soft HSH		+	+
Evo® Soft HSM		+	+
Evo® Soft HSON		+	+
Evo® Soft HSP		+	+
Evo® Soft HST		+	+
Evo® Soft HSV		+	+
Evo® Soft HWA		+	+
Evo® Soft HWH		+	+
Evo® Soft LAF		+	+
Evo® Soft LSE		+	+
Evo® Soft LWR conc		+	+
Evo® Soft MBU		+	+
Evo® Soft MCA		+	+
Evo® Soft MCS		+	+
Evo® Soft MCT		+	+
Evo® Soft ME		+	+
Evo® Soft MEA		+	+
Evo® Soft MEB		+	+
Evo® Soft MEC		+	+
Evo® Soft MEC 01		+	+
Evo® Soft MET		+	+
Evo® Soft MEZ		+	+
Evo® Soft MSA		+	+
Evo® Soft MSE		+	+
Evo® Soft MST		+	+
Evo® Soft MSW		+	+
Evo® Soft MSW conc		+	+
Evo® Soft MYM		+	+
Evo® Soft NEF 100		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Evo® Soft Neo		+	+
Evo® Soft NH		+	+
Evo® Soft NHJ		+	+
Evo® Soft NP 100		+	+
Evo® Soft NP 100 S		+	+
Evo® Soft PEH		+	+
Evo® Soft PEHD		+	+
Evo® Soft PEN		+	+
Evo® Soft PES		+	+
Evo® Soft PNN		+	+
Evo® Soft PSI		+	+
Evo® Soft QFL		+	+
Evo® Soft QMB		+	+
Evo® Soft QSE		+	+
Evo® Soft SAA		+	+
Evo® Soft SBK		+	+
Evo® Soft SDN		+	+
Evo® Soft SDS conc		+	+
Evo® Soft SEL		+	+
Evo® Soft SES		+	+
Evo® Soft SHC conc		+	+
Evo® Soft SHN		+	+
Evo® Soft SHU conc		+	+
Evo® Soft SKT		+	+
Evo® Soft SMA		+	+
Evo® Soft SMD		+	+
Evo® Soft SMG		+	+
Evo® Soft SMI		+	+
Evo® Soft SMI conc		+	+
Evo® Soft SMN		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Evo® Soft SNY		+	+
Evo® Soft SQM		+	+
Evo® Soft SRW conc		+	+
Evo® Soft SXN		+	+
Evo® Soft UC 100		+	+
Evo® Soft UC 200		+	+
Evo® Soft UCL		+	+
Evo® Soft UCT		+	+
Evo® Soft UMS		+	+
Evo® Soft UNI		+	+
Evo® Soft UNT		+	+
Evo® Soft VCL		+	+
Evo® Soft VNI		+	+
Evo® Soft VNS		+	+
Evo® Soft VNT		+	+
Evo® Soft VSJ		+	+
Evo® Soft VSJ new		+	+
Evo® Soft WHP		+	+
Evo® Stat APS new		+	+
Evo® Stat CFC		+	+
Evo® Stat KEV		+	+
Evo® Stat PAS		+	+
Evo® Stat QHS		+	+
Evo® Top A 24		+	+
Evo® Top A 30		–	+
Evo® Top A 31		–	+
Evo® Top A 75		–	+
Evo® Top CWA		–	+
Evo® Top FHS		+	+
Evo® Top FOB conc		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Evo® Top Gloss		+	+
Evo® Top KD		+	+
Evo® Top KHS		+	+
Evo® Top L 42		+	+
Evo® Top LMK		–	+
Evo® Top TSA		+	+
Evo® Top TUR		+	+
Evo® Top U 41		+	+
Evo® Top U 50		+	+
Evo® Top U 55		+	+
Evo® Top U 66		+	+
Evo® Top VA 43		+	+
Evo® Top VA 53		+	+
Evo® Top VA 72		+	+
Evo® Top VMR		+	+
Evo® Wax 850		+	+
Evo® Wax AMB		+	+
Evo® Wax DRA		+	+
Evo® Wax FRS		+	+
Evo® Wax FRS 01		+	+
Evo® Wax PEP		+	+
Evo® Wax PEP new		+	+
Evo® Wax SWS		+	+
Evo® Wet FES		+	+
Evo® Xen HTP		+	+
Evo® Xen KD		+	+
Evo® Xen KHS		+	+
Lava® Cell BALANCE BTN		+	+
Lava® Cell BCC		+	+
Lava® Cell BDD		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Lava® Cell BEE		+	+
Lava® Cell BEX		+	+
Lava® Cell BFF		+	+
Lava® Cell BFX conc		+	+
Lava® Cell BGA		+	+
Lava® Cell BHA		+	+
Lava® Cell BHX		+	+
Lava® Cell BIO		+	+
Lava® Cell BIO o2		+	+
Lava® Cell BLA		+	+
Lava® Cell BLA conc		+	+
Lava® Cell BLD		+	+
Lava® Cell BLH		+	+
Lava® Cell BLL Extra		+	+
Lava® Cell BLU		+	+
Lava® Cell BLW		+	+
Lava® Cell BPK conc		+	+
Lava® Cell BPS conc		+	+
Lava® Cell BSK		+	+
Lava® Cell BSL		+	+
Lava® Cell BSN		+	+
Lava® Cell BSN Extra		+	+
Lava® Cell BSO conc		+	+
Lava® Cell BTS		+	+
Lava® Cell BTS o2		+	+
Lava® Cell BTS conc		+	+
Lava® Cell BTT conc		+	+
Lava® Cell BUP conc		+	+
Lava® Cell NAS		+	+
Lava® Cell NAS EXTRA		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Lava® Cell NBA		+	+
Lava® Cell NBB		+	+
Lava® Cell NBC		+	+
Lava® Cell NBG		+	+
Lava® Cell NBG Jet		+	+
Lava® Cell NBH		+	+
Lava® Cell NBH conc		+	+
Lava® Cell NBK		+	+
Lava® Cell NBL		+	+
Lava® Cell NBP		+	+
Lava® Cell NBP 01		+	+
Lava® Cell NBP 02		+	+
Lava® Cell NBP conc		+	+
Lava® Cell NBR conc		+	+
Lava® Cell NBT conc		+	+
Lava® Cell NBU conc		+	+
Lava® Cell NBZ		+	+
Lava® Cell NCC		+	+
Lava® Cell NCGX		+	+
Lava® Cell NCPE		+	+
Lava® Cell NDF		+	+
Lava® Cell NFF		+	+
Lava® Cell NG		+	+
Lava® Cell NG Cold		+	+
Lava® Cell NG Cold 01		+	+
Lava® Cell NG New		+	+
Lava® Cell NHC		+	+
Lava® Cell NHC 01		+	+
Lava® Cell NHC Cold		+	+
Lava® Cell NHC New		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Lava® Cell NLG		+	+
Lava® Cell NLG Extra		+	+
Lava® Cell NSB		+	+
Lava® Cell NSM		+	+
Lava® Cell NST		+	+
Lava® Cell NST 100		+	+
Lava® Cell NST 250		+	+
Lava® Cell NTA		+	+
Lava® Cell NTE		+	+
Lava® Cell TMS		+	+
Lava® Con ACO		+	+
Lava® Con BS		+	+
Lava® Con CAT		—	+
Lava® Con DCA		+	+
Lava® Con E		+	+
Lava® Con EA		+	+
Lava® Con GDR		+	+
Lava® Con GRAOX		+	+
Lava® Con GRAOX 01		+	+
Lava® Con GRAOX R		+	+
Lava® Con MEX		+	+
Lava® Con MEX 01		+	+
Lava® Con MEX 02		+	+
Lava® Con MEX liquid		+	+
Lava® Con PAP		+	+
Lava® Con SDF		+	+
Lava® Con SMF		+	+
Lava® Con SPG		+	+
Lava® Con VWA		+	+
Lava® Fast CNC		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Lava® Fast EPD		–	+
Lava® Fast S		–	+
Lava® Fin 936		+	+
Lava® Fin A 24		+	+
Lava® Fin A 30		–	+
Lava® Fin BSH		–	+
Lava® Fin CSH		–	+
Lava® Fin CSH 01		–	+
Lava® Fin CSH Extra		+	+
Lava® Fin CSH Extra 01		+	+
Lava® Fin DSH		+	+
Lava® Fin GCA		+	+
Lava® Fin GLS		+	+
Lava® Fin LS 01		+	+
Lava® Fin MD		–	+
Lava® Fin OCP		+	+
Lava® Fin PIR		–	+
Lava® Fin SPD		–	+
Lava® Fin U 41		+	+
Lava® Fin U 41 Special		+	+
Lava® Fin UEC		+	+
Lava® Fin UNC		+	+
Lava® Fin USI		–	+
Lava® Fin VA 53		+	+
Lava® Fin WSH		+	+
Lava® Fix ANF		+	+
Lava® Fix CPB		–	+
Lava® Fix CPK		+	+
Lava® Fix FF		+	+
Lava® Fix FFA		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Lava® Fix FRE		+	+
Lava® Fix NFA		–	+
Lava® Fix NFE		–	+
Lava® Fix NFM		–	+
Lava® Fix NFM 01		–	+
Lava® Fix SFA		–	+
Lava® Jeans FO		+	+
Lava® Jeans OZC		+	+
Lava® Jeans PRO		+	+
Lava® Jeans PRO 01		+	+
Lava® Jeans PRO 03		+	+
Lava® Jeans PRO 100		+	+
Lava® Jeans SDW		+	+
Lava® Pret RCI		–	+
Lava® Pret RCI Extra		–	+
Lava® Pret RCK		–	+
Lava® Pret RCR		–	+
Lava® Pret RFB		–	+
Lava® Pret RFF		+	+
Lava® Pret RFF Plus		+	+
Lava® Pret RFH Plus		+	+
Lava® Pret RFL Plus		+	+
Lava® Pret RFT		+	+
Lava® Pret RLT		–	+
Lava® Pret RSF		–	+
Lava® Pret RSS		+	+
Lava® Pret RZF		+	+
Lava® Pret RZF Plus		+	+
Lava® Pret-Cat 100		+	+
Lava® Pret-Cat KBC		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Lava® Pret-Cat KLF 01		+	+
Lava® Pret-Cat KSS		+	+
Lava® Protect EBD		+	+
Lava® Protect XL		+	+
Lava® Soft EPH conc		+	+
Lava® Soft EPS 01		+	+
Lava® Soft EPS conc		+	+
Lava® Soft HRD		+	+
Lava® Soft HSB		+	+
Lava® Soft HST		+	+
Lava® Soft LDS		+	+
Lava® Soft LHC		+	+
Lava® Soft MBB		+	+
Lava® Soft ME		+	+
Lava® Soft MEC		+	+
Lava® Soft MEC 01		+	+
Lava® Soft MET		+	+
Lava® Soft MSA		+	+
Lava® Soft PEN		+	+
Lava® Soft PHD		+	+
Lava® Soft SBM		+	+
Lava® Soft SEL		+	+
Lava® Soft SET		+	+
Lava® Soft Touch		+	+
Lava® Soft USE		+	+
Lava® Sperse 3200H		+	+
Lava® Sperse APB conc		+	+
Lava® Sperse BASE		+	+
Lava® Sperse CPOS		+	+
Lava® Sperse CPOS 02		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Lava® Sperse CSN		+	+
Lava® Sperse HES		+	+
Lava® Sperse HES conc		+	+
Lava® Sperse HOC		+	+
Lava® Sperse KDS		+	+
Lava® Sperse KDS conc		+	+
Lava® Sperse KDS Extra		+	+
Lava® Sperse KDX		+	+
Lava® Sperse KKC		+	+
Lava® Sperse KKC conc		+	+
Lava® Sperse KKC Extra		+	+
Lava® Sperse KMS		+	+
Lava® Sperse KMS Extra		+	+
Lava® Sperse KTZ		+	+
Lava® Sperse MRCJ		+	+
Lava® Sperse OSF		+	+
Lava® Sperse OSN		+	+
Lava® Sperse PWD		+	+
Lava® Sperse R 40		+	+
Lava® Sperse ULTRA		+	+
Lava® Wash CPW		+	+
Lava® Wash DLQ		+	+
Lava® Wash EXT		+	+
Lava® Wash MRK		+	+
Lava® Wash PDT		+	+
Lava® Wash PDT 01		+	+
Lava® Wash PR		+	+
Lava® Wash WTE		+	+
Lava® Wet MDF		+	+
Lava® Wet WLA		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Lava® Wet WYO		+	+
Lava® Wet WYO conc		+	+
Lava® Zyme ADK		+	+
Lava® Zyme AEN 01		+	+
Lava® Zyme AET		+	+
Lava® Zyme AHG		+	+
Lava® Zyme AHG conc		+	+
Lava® Zyme AHO conc		+	+
Lava® Zyme AHP		+	+
Lava® Zyme AHS conc		+	+
Lava® Zyme AMT		+	+
Lava® Zyme APK		+	+
Lava® Zyme APT		+	+
Lava® Zyme DEZ 01		+	+
Lava® Zyme LASL		+	+
Lava® Zyme LCL		+	+
Lava® Zyme LESL		+	+
Lava® Zyme Lite 1540		+	+
Lava® Zyme Lite LEX		+	+
Lava® Zyme Lite LSS		+	+
Lava® Zyme Lite LVC		+	+
Lava® Zyme Lite Neu		+	+
Lava® Zyme Lite Neu 50		+	+
Lava® Zyme SBE		+	+
Sera® Air M-ELN 02		+	+
Sera® Air M-TOP		+	+
Sera® Air M-TOP 01		+	+
Sera® Air M-WD		+	+
Sera® Antidust M-AF		+	+
Sera® Binder M-BAS		–	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Sera® Binder M-CPB		–	+
Sera® Binder M-HCD		+	+
Sera® Binder M-HF		–	+
Sera® Binder M-HFT		–	+
Sera® Binder M-SD		–	+
Sera® Binder M-SDI		–	+
Sera® Clear W-WD		+	+
Sera® Con C-BOR		+	+
Sera® Con C-ECS		+	+
Sera® Con C-LR		+	+
Sera® Con C-RAP		+	+
Sera® Con C-RAP PWD		+	+
Sera® Con C-SDR		+	+
Sera® Con Ind		+	+
Sera® Con M-AB		+	+
Sera® Con M-BD		+	+
Sera® Con M-BF		+	+
Sera® Con M-BF conc		+	+
Sera® Con M-FAS		+	+
Sera® Con M-FRN		+	+
Sera® Con M-LU		+	+
Sera® Con M-LU 02		+	+
Sera® Con M-LU 03		+	+
Sera® Con M-LU gran		+	+
Sera® Con M-LU gran 01		+	+
Sera® Con M-LU gran 02		+	+
Sera® Con M-LU liquid		+	+
Sera® Con M-LU liquid 01		+	+
Sera® Con M-MC		+	+
Sera® Con M-MPH		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Sera® Con M-OXI		+	+
Sera® Con M-PHD		+	+
Sera® Con M-PHD 01		+	+
Sera® Con M-PHD 02		+	+
Sera® Con M-PSN		+	+
Sera® Con M-TC		+	+
Sera® Con M-TC 01		+	+
Sera® Con M-TC Eco		+	+
Sera® Con M-TD		+	+
Sera® Con M-TP		+	+
Sera® Con N-PA liquid		+	+
Sera® Con N-TR		+	+
Sera® Con N-VS		+	+
Sera® Con N-VS 01		+	+
Sera® Con N-VS 02		+	+
Sera® Con P-ACT		–	+
Sera® Con P-ACT Eco		–	+
Sera® Con P-ACT Powder		–	+
Sera® Con P-AR		+	+
Sera® Con P-ARB		+	+
Sera® Con P-DIS		+	+
Sera® Con P-NN		+	+
Sera® Con P-NR		+	+
Sera® Con P-NRC		+	+
Sera® Con P-NU		+	+
Sera® Con P-RCN		+	+
Sera® Con XP 421		+	+
Sera® Fast C-B		+	+
Sera® Fast C-B 01		+	+
Sera® Fast C-E		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Sera® Fast C-FRD		+	+
Sera® Fast C-NC		+	+
Sera® Fast C-NC 01		+	+
Sera® Fast C-NC 03		+	+
Sera® Fast C-NC 30		+	+
Sera® Fast C-NC conc		+	+
Sera® Fast C-PF		+	+
Sera® Fast C-PR		+	+
Sera® Fast C-PT		+	+
Sera® Fast C-RCT		+	+
Sera® Fast C-RD		+	+
Sera® Fast C-RD 01		+	+
Sera® Fast C-REA		+	+
Sera® Fast C-RSF		+	+
Sera® Fast C-TE		+	+
Sera® Fast C-VSF		+	+
Sera® Fast M-LF		—	+
Sera® Fast N-BA		+	+
Sera® Fast N-BS		+	+
Sera® Fast N-BS 01		+	+
Sera® Fast N-BS 02		+	+
Sera® Fast N-BSC Powder		—	+
Sera® Fast N-BT		+	+
Sera® Fast N-HFN		+	+
Sera® Fast N-HFN 01		+	+
Sera® Fast N-HW		+	+
Sera® Fast N-HW 01		+	+
Sera® Fast P-APS new		+	+
Sera® Fast P-SLR		+	+
Sera® Fast XP 604 new		—	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Sera® Fast XP 6o8		+	+
Sera® Fil BCN		+	+
Sera® Fil BRC		+	+
Sera® Fil C-BLM		+	+
Sera® Fil C-BRS		+	+
Sera® Fil C-BRSH		+	+
Sera® Fil C-FBL		+	+
Sera® Fil C-FFE		+	+
Sera® Fil C-FFL		+	+
Sera® Fil C-FFN		+	+
Sera® Fil FFB		+	+
Sera® Fil SBS		+	+
Sera® Fil SBS 01		+	+
Sera® Fil SBS New		+	+
Sera® Fix C-PB		–	+
Sera® Fix C-PD		–	+
Sera® Fix C-PK		+	+
Sera® Fix C-PV 01		+	+
Sera® Fix C-PV 02		+	+
Sera® Fix C-SF		+	+
Sera® Foam M-58K		+	+
Sera® Foam M-EO		+	+
Sera® Foam M-FN		+	+
Sera® Foam M-FT		+	+
Sera® Foam M-HTS		+	+
Sera® Foam M-HTS 02		+	+
Sera® Foam M-KTM		+	+
Sera® Foam M-NSD		+	+
Sera® Foam M-SI		+	+
Sera® Foam M-SI 01		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Sera® Foam M-SMK		+	+
Sera® Gal A-1108		+	+
Sera® Gal A-ME		+	+
Sera® Gal C-AA		+	+
Sera® Gal C-CNX		+	+
Sera® Gal C-ED		+	+
Sera® Gal C-FTC		+	+
Sera® Gal C-FTR		+	+
Sera® Gal C-FTRH		+	+
Sera® Gal C-RFX		+	+
Sera® Gal C-RFX new		+	+
Sera® Gal C-RFX new 01		+	+
Sera® Gal C-VAT		+	+
Sera® Gal C-VP		+	+
Sera® Gal ES		+	+
Sera® Gal M-CIP		+	+
Sera® Gal M-IP		+	+
Sera® Gal M-IP 01		+	+
Sera® Gal M-IP 02		+	+
Sera® Gal M-IP 03		+	+
Sera® Gal M-IP 04		+	+
Sera® Gal M-IP 05		+	+
Sera® Gal M-IP 06		+	+
Sera® Gal M-P		+	+
Sera® Gal N-AF		+	+
Sera® Gal N-ER		+	+
Sera® Gal N-ERK		+	+
Sera® Gal N-ES		–	+
Sera® Gal N-FS		+	+
Sera® Gal N-FSH		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Sera® Gal N-FTS		+	+
Sera® Gal N-LP		+	+
Sera® Gal N-WLF		+	+
Sera® Gal P-BMO		+	+
Sera® Gal P-BMO 02		+	+
Sera® Gal P-BMO new		+	+
Sera® Gal P-BMT		+	+
Sera® Gal P-CHD		+	+
Sera® Gal P-DCR		+	+
Sera® Gal P-DCR 01		+	+
Sera® Gal P-DCS 01		+	+
Sera® Gal P-DEG		–	+
Sera® Gal P-DEG 01		–	+
Sera® Gal P-ED		+	+
Sera® Gal P-EW		+	+
Sera® Gal P-LM		+	+
Sera® Gal P-LP		+	+
Sera® Gal P-PA		+	+
Sera® Gal P-RDL		+	+
Sera® Gal P-RP		+	+
Sera® Gal P-SDL		+	+
Sera® Gal RM		+	+
Sera® Gal W-DY		+	+
Sera® Gal W-KW		+	+
Sera® Gal W-MKS		+	+
Sera® Gal W-RL		+	+
Sera® Gal W-RS		+	+
Sera® Gal W-SX		+	+
Sera® Gal W-UL		+	+
Sera® Gal XP 615		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Sera® Gal XP 620		+	+
Sera® Lube C-AAD		+	+
Sera® Lube C-AAD New		+	+
Sera® Lube H		+	+
Sera® Lube M-66 liq		+	+
Sera® Lube M-2000		+	+
Sera® Lube M-AC conc		+	+
Sera® Lube M-AC new		+	+
Sera® Lube M-CF		+	+
Sera® Lube M-CF 01		+	+
Sera® Lube M-CF 02		+	+
Sera® Lube M-CF 04		+	+
Sera® Lube M-CPOS		+	+
Sera® Lube M-ECO		+	+
Sera® Lube M-LA Eco		+	+
Sera® Lube M-LN Eco		+	+
Sera® Lube M-LV		+	+
Sera® Lube M-SL Intermediate		+	+
Sera® Lube M-UFC		+	+
Sera® Lube M-UFC conc		+	+
Sera® Lube M-UFN		+	+
Sera® Lube M-UFN hc		+	+
Sera® Lube Neo		+	+
Sera® Merc C-MNB		+	+
Sera® Merc C-MNF		+	+
Sera® Merc C-MWA		+	+
Sera® Pad M-PD		+	+
Sera® Pad M-PV		+	+
Sera® Print C-DF		+	+
Sera® Print C-RR		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Sera® Print M-AHV 4		+	+
Sera® Print M-ALV 8		+	+
Sera® Print M-ALV 10		+	+
Sera® Print M-BAP		+	+
Sera® Print M-BTR		+	+
Sera® Print M-CAM		+	+
Sera® Print M-CAM 01		+	+
Sera® Print M-CN		+	+
Sera® Print M-CPK		+	+
Sera® Print M-DP		+	+
Sera® Print M-DSE		+	+
Sera® Print M-G 85		+	+
Sera® Print M-GP 8		+	+
Sera® Print M-PD		–	+
Sera® Print M-PDA		+	+
Sera® Print M-PHC		+	+
Sera® Print M-PHC 02		+	+
Sera® Print M-PHL		+	+
Sera® Print M-RSC		+	+
Sera® Print M-S 9		+	+
Sera® Print M-TLV 10		+	+
Sera® Protect N-APY		+	+
Sera® Protect N-APYH		+	+
Sera® Protect N-SPX		+	+
Sera® Protect N-SPX new		+	+
Sera® Protect N-SPX new 01		+	+
Sera® Protect W-NF		+	+
Sera® Quest C-165		+	+
Sera® Quest C-ADC		+	+
Sera® Quest C-BAM		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Sera® Quest C-DC		+	+
Sera® Quest C-LPS 2X		+	+
Sera® Quest C-LR		+	+
Sera® Quest C-PX		+	+
Sera® Quest C-PX 01		+	+
Sera® Quest C-PX 02		+	+
Sera® Quest C-PX 03		+	+
Sera® Quest C-PX 04		+	+
Sera® Quest C-PX 05		+	+
Sera® Quest C-PXN		+	+
Sera® Quest M-FDS		+	+
Sera® Quest M-FDS 01		+	+
Sera® Quest M-PP		+	+
Sera® Quest M-PP 02		+	+
Sera® Quest M-PP 03		+	+
Sera® Quest M-PP 04		+	+
Sera® Quest M-PP 05		+	+
Sera® Quest M-USP		+	+
Sera® Quest Neo		+	+
Sera® Quest Neo 01		+	+
Sera® Soft M-SIW new		+	+
Sera® Soft M-SW conc		+	+
Sera® Sperse C-FAD		+	+
Sera® Sperse C-SN		+	+
Sera® Sperse C-SN 01		+	+
Sera® Sperse C-SN 03		+	+
Sera® Sperse C-SN 04		+	+
Sera® Sperse C-SN 06		+	+
Sera® Sperse C-SN 50		+	+
Sera® Sperse C-SN Eco		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Sera® Sperse C-SN new		+	+
Sera® Sperse C-SS 400		+	+
Sera® Sperse C-VB		+	+
Sera® Sperse C-VB 02		+	+
Sera® Sperse C-VB 03		+	+
Sera® Sperse M-DEW		+	+
Sera® Sperse M-DRPS		+	+
Sera® Sperse M-HZ		+	+
Sera® Sperse M-IN		+	+
Sera® Sperse M-IS		+	+
Sera® Sperse M-IS 01		+	+
Sera® Sperse M-IS 02		+	+
Sera® Sperse M-IS 03		+	+
Sera® Sperse M-IS liquid		+	+
Sera® Sperse M-IS liquid 03		+	+
Sera® Sperse M-IS liquid 05		+	+
Sera® Sperse M-IW		+	+
Sera® Sperse M-IW 01		+	+
Sera® Sperse M-IW 02		+	+
Sera® Sperse M-IW Flakes		+	+
Sera® Sperse M-JS 01		+	+
Sera® Sperse M-JX		+	+
Sera® Sperse M-POS		+	+
Sera® Sperse M-SE		+	+
Sera® Sperse M-VT		+	+
Sera® Sperse P-HT		+	+
Sera® Sperse XP 621		+	+
Sera® Tard A-AS		+	+
Sera® Tard A-AS 03		+	+
Sera® Wash C-EO		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Sera® Wash C-LR		+	+
Sera® Wash C-NE		+	+
Sera® Wash C-NEC		+	+
Sera® Wash C-NEC 01		+	+
Sera® Wash C-NPF		+	+
Sera® Wash C-NW		+	+
Sera® Wash C-RMG		+	+
Sera® Wash C-RUC		+	+
Sera® Wash M-CD		+	+
Sera® Wash M-CEO		+	+
Sera® Wash M-CES		+	+
Sera® Wash M-CGA		+	+
Sera® Wash M-EL		+	+
Sera® Wash M-EN		+	+
Sera® Wash M-EN 01		+	+
Sera® Wash M-FDA		+	+
Sera® Wash M-FDH		+	+
Sera® Wash M-LFW		+	+
Sera® Wash M-NS conc		+	+
Sera® Wash M-OWS		+	+
Sera® Wash M-PW		+	+
Sera® Wash M-RK		+	+
Sera® Wash M-SF		+	+
Sera® Wash M-TE		+	+
Sera® Wash M-TT		+	+
Sera® Wash M-VFN		+	+
Sera® Wash M-VFT		+	+
Sera® Wash M-WW		+	+
Sera® Wash M-WYD conc		+	+
Sera® Wash Neo		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Sera® Wash Neo 50		+	+
Sera® Wash Neo 65		+	+
Sera® Wash T-CA		+	+
Sera® Wash W-APM		+	+
Sera® Wash W-SAP		+	+
Sera® Wet C-ANS		+	+
Sera® Wet C-ANU		+	+
Sera® Wet C-AS		+	+
Sera® Wet C-GNS		+	+
Sera® Wet C-NR		+	+
Sera® Wet C-PER		+	+
Sera® Wet C-PER 02		+	+
Sera® Wet C-UD		+	+
Sera® Wet C-UD 01		+	+
Sera® Wet C-WM		+	+
Sera® Wet K-B		+	+
Sera® Wet M-1410		+	+
Sera® Wet M-ASC		+	+
Sera® Wet M-ASC 01		+	+
Sera® Wet M-ASC 02		+	+
Sera® Wet M-BK		+	+
Sera® Wet M-ERC		+	+
Sera® White A-BAC		+	+
Sera® White C-BYB 01		+	+
Sera® White C-EBB		+	+
Sera® White C-EBN		+	+
Sera® White C-EBN conc		+	+
Sera® White C-EHV		+	+
Sera® White C-EPB		+	+
Sera® White C-ESB		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Sera® White C-ESC		+	+
Sera® White C-ESN		+	+
Sera® White C-ESV		+	+
Sera® White C-LBN		+	+
Sera® White C-LBW		+	+
Sera® White C-MBN		+	+
Sera® White C-MBN conc		+	+
Sera® White C-MPA		+	+
Sera® White C-MPB		+	+
Sera® White C-MPF		+	+
Sera® White C-MS2B		+	+
Sera® White C-MSB		+	+
Sera® White C-MSN		+	+
Sera® White C-MSV		+	+
Sera® White N-HLB		+	+
Sera® White N-HLF		+	+
Sera® White N-HWN		+	+
Sera® White N-HWN Powder		+	+
Sera® White N-HWV		+	+
Sera® White O-BSM		+	+
Sera® White O-PPN		+	+
Sera® White P-B		+	+
Sera® White P-BNH		+	+
Sera® White P-FGB		+	+
Sera® White P-FT		+	+
Sera® White P-IDN		+	+
Sera® White P-LF		+	+
Sera® White P-LFT		+	+
Sera® White P-N		+	+
Sera® White P-NBV		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Sera® White P-NLS		+	+
Sera® White P-R		+	+
Sera® Zon C-9188 02		+	+
Sera® Zon C-MFS		+	+
Sera® Zon C-MP		+	+
Sera® Zon C-MS 100		+	+
Sera® Zon C-MS 200		+	+
Sera® Zon C-MS 400		+	+
Sera® Zon C-OS 01		+	+
Sera® Zon C-PSC		+	+
Sera® Zon Neo		+	+
Sera® Zon XP 412		+	+
Sera® Zyme AET		+	+
Sera® Zyme C-AM		+	+
Sera® Zyme C-BK		+	+
Sera® Zyme C-CN		+	+
Sera® Zyme C-FO		+	+
Sera® Zyme C-FO conc		+	+
Sera® Zyme C-GEP		+	+
Sera® Zyme C-GEP 02		+	+
Sera® Zyme C-HC		+	+
Sera® Zyme C-KXE		+	+
Sera® Zyme C-LR		+	+
Sera® Zyme C-MN		+	+
Sera® Zyme C-NT		+	+
Sera® Zyme C-PE		+	+
Sera® Zyme C-SX		+	+
Sera® Zyme C-SX 02		+	+
Sera® Zyme C-TF		+	+
Sera® Zyme C-TO		+	+

Auxiliaries	Remarks	Suitability for Oeko-Tex® Standard 100	
		Edition 01/2014	
		Class I (baby articles)	Classes II - IV (other textiles)
Sera® Zyme C-TP		+	+
Sera® Zyme C-TR		+	+
Sera® Zyme C-TU		+	+
Sera® Zyme C-TZ		+	+
Sulfhydrat F 150		+	+

Footnotes

- * (Oe 1): Medium to deep shades should be tested for extractable heavy metals.
- * (Oe 2): To meet the saliva and perspiration fastness requirement for baby wear a cationic aftertreatment is generally recommended.
- * (Oe 3): To meet the saliva and perspiration fastness requirement for baby wear on polyamide basis, appropriate aftertreatment is recommended.
- * (Oe 4): For wool based baby articles suitable up to 1/3 SD only. For deeper shades on wool the fastness to saliva and perspiration should be tested.
- * (Oe 6): Recommended, provided a dyestuff concentration of 4.0% (owf) is not exceeded.
- * (Oe 7): Contains traces of residual chlorinated solvent ("chlorinated org. carrier"). Although the Oeko-Tex® limit can normally be met under proper use conditions, it may be exceeded on textiles printed under improper or special conditions (e.g. low fixation time; poor binder quality in garment dyeing, very deep shade, etc.). If in doubt, a strike-off should be tested in advance to confirm full compliance.
- * (Oe 9): Recommended, provided a dyestuff concentration of 1.0% (owf) is not exceeded.
- * (Oe 10): Recommended, provided a dyestuff concentration of 5.0% (owf) is not exceeded.
- * (Oe 11): Recommended, provided a dyestuff concentration of 2.0% (owf) is not exceeded.
- * (Oe 12): Recommended, provided a dyestuff concentration of 0.6% (owf) is not exceeded.
- * (Oe 14): Product is suitable for Oeko-Tex® compliant textiles in standard printing processes. But, the Oeko-Tex® limit of 20 mg/kg cleavable amine may be exceeded, if improper or special printing conditions are applied (e.g. low fixation time; poor binder quality in garment dyeing; discharge printing, etc.). In such cases it is recommended to test a representative textile strike-off made with the corresponding printing paste for compliance with the azo requirement.
- * (Oe 15): This assessment of DyStar products refers expressly to the Oeko-Tex® Standard 100 criteria and will hold only, if the Oeko-Tex® Standard 100 test procedures as prescribed under Oeko-Tex® Standard 200 and 201 as published till November 2009 are applied. Please note that critical test procedures were revised. Currently DyStar and the testing institutes have no sound experience how this might affect our assessment. Therefore we explicitly recommend to check the finished article for compliance.
- * (Oe 16): Recommended, provided a concentration of 30 g/kg is not exceeded.
- * (Oe 17): Recommended, provided a concentration of 15 g/kg is not exceeded.
- * (Oe 19): This pigment preparation is based on Carbon Black (Pigment Black 6 resp. Black 7). As polycyclic aromatic hydrocarbons (PAHs) are created by incomplete combustion of organic material we cannot exclude respective trace impurities. Although limit values for PAHs are expected to be met under proper use conditions, they might be exceeded on textiles under improper or special application conditions (e.g. low fixation time, poor binder quality, very deep shade, etc.).
- * (Oe 20) Suitable for class III and IV
- * E1: No more than 10 g/kg of this product must be combined with Pigment Orange 34 based pigment preparations (marked by *E2) in the printing paste. The product should generally not be combined with Pigment Orange 13 based pigment preparations in printing operations.
- * E2: This product must not be used in printing pastes which contain more than 10 g/kg of a Pigment Black 7 based pigment preparation (marked by *E1).
- * F1: Product complies with the European azo legislation, but can cause false-positive amine results, if the analysis is performed by a GC-MS detection method only. Positive amine results must therefore always be confirmed by a HPLC/DAD detection method (after clean-up with a diatomaceous earth column).
- * F2: Can cause false positive amine detection (Tobias acid dyestuff).

Index

Reactive dyes for dyeing cellulose-based fibers

Levafix®	pg 22
Procion®	pg 23
Remazol®	pg 24
Lava®	pg 27

Direct dyes for dyeing cellulose-based fibers

Sirius®	pg 28
---------	-------

Vat dyes for dyeing cellulose-based fibers

Indanthren®	pg 29
Indanthren® vat dyes liquid	pg 30

Dyes for Denim

DyStar Indigo / Hydron	pg 32
Cassulfon Sulphur dyes	pg 32

Azoic / developing dyes

Fast dyes	pg 33
Naphtol AS® dyes	pg 33

Disperse dyes for polyester

Dianix®	pg 34
---------	-------

Dyes for wool

Diamond	pg 39
Isloan®	pg 39
Realan®	pg 40
Supralan®	pg 40
Telon®	pg 41

Dyes for polyamide

Isolan®	pg 43
Telon®	pg 44

Cationic / Basic dyes for acrylic fibers

Astrazon®	pg 47
-----------	-------

Pigments for printing

Imperon®	pg 49
Colaris	pg 50

Jettex® printing inks (liquid inks)

Jettex® A	pg 52
Jettex® D	pg 52
Jettex® R	pg 53
Jettex® R KC	pg 53

Powder ink concentrates

Jettex® A	pg 55
-----------	-------

Auxiliaries

Diaserver	pg 56
Evo®	pg 56
Lava®	pg 63
Sera®	pg 71

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