



**EKOTEKS LABORATUVAR ve GÖZETİM  
HİZMETLERİ A.Ş.**  
Esenyurt Firuzköy Bulvarı No:29 34325 Avcılar  
İstanbul/ TÜRKİYE

**TEST REPORT**  
*DENEY RAPORU*



AB-0583-T

21008065

03-21

**Customer name:**

DEXXON ENERJİ SAN. VE TİC. A.Ş.

**Address:**

İSTANBUL VİZYON PARK OFİS PLAZALARI YENİBOSNA MERKEZ,  
29 EKİM CAD. 34197 BAHÇELİEVLER/ İSTANBUL

**Buyer name:**

-

**Contact Person:**

HULUSİ GÜVEN

**Order No:**

DEXXON MEDICAL

**Article No:**

DXNMD-NRFM04 FFP2 NR

**Name and identity of test item:**

Sample 1: One sample of blue non-woven medical mask.

Sample 2: One sample of turquoise non-woven medical mask.

Sample 3: One sample of black non-woven medical mask.

Sample 4: One sample of pink non-woven medical mask.

Sample 5: One sample of light blue non-woven medical mask.

Sample 6: One sample of red non-woven medical mask.

(Claimed to be; Colours; Black, Elektrique Blue, Medical Blue, Medical Green, Red, Pink, Fiber Composition: 100% PP Non-Woven Fabric)

**The date of receipt of test item:**

04.03.2021

**Re-submitted/re-confirmation date:**

-

**Date of test:**

04.03.2020-08.03.2020

**Remarks:**

-

**Sampling:**

The results given in this report belong to the received sample by vendor.

**End-Use:**

-

**Care Label:**

-

**Number of pages of the report:**

10

*The Turkish Accreditation Agency (TURKAK) is signatory to the multilateral agreements of the European co-operation for the Accreditation (EA) and of the International Laboratory Accreditation (ILAC) for the Mutual recognition of test reports.*

*EKOTEKS LABORATUVAR ve GÖZETİM HİZMETLERİ A.Ş. accredited by TÜRKAK under registration number [AB-0583-T] for ISO 17025:2017 as test laboratory.*

*The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.*

Seal

Date

08.03.2020

Customer Representative

Özlem ULLUS

Head of Testing Laboratory

Sevim A. RAZAK

08.03.2020

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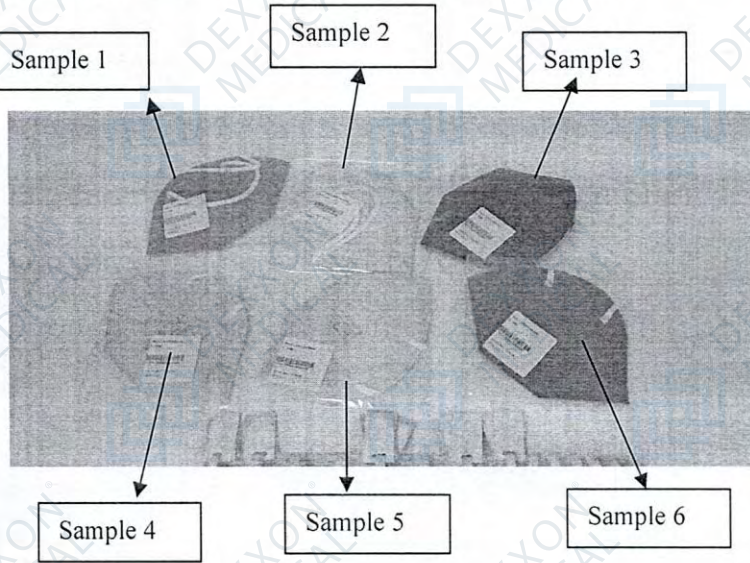
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REQUIRED TESTS	RESULT	COMMENTS
<b>ECOLOGICAL TESTS/ Sample 1&amp;2&amp;3&amp;4&amp;5&amp;6</b>		
Forbidden Arylamines In Dyestuff	P	
Carcinogenic&Allergenic Dyestuffs	P	
P: Pass F: Fail R: Refer to retailer technologist. These tests results were evaluated according to oeko-100 limit values.		

REMARK: Original samples are kept for 3 months and all technical records are kept for 5 years unless otherwise specified. The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor  $k=2$ , providing a level of confidence of approximately 95 %. Tests marked (\*) in this report are not included in the accreditation schedule.



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## TEST RESULTS

### FORBIDDEN AROMATIC ARYLAMINES-MAK III GROUP A1&A2 CATEGORY

Corresponding to the Ordinance on Commodities (Bedarfsgegenständeverordnung) be in force respectively the directive 2002/61/EEC the use of certain azo colorants is banned, which can release by reductive cleavage of their azo group(s) one or more of certain listed aromatic and cancerogenic amines.

Arylamines of class MAK III A1/ A2 are determined and quantified using a Gas Chromatography / Mass Selective Detector (GC/MSD)

List of arylamines, that are not allowed to be split off from dyes under reductive conditions ;

Nr	Substances	CAS No	Index No	EC number
	<b>MAK III A1</b>			
01	4-Aminobiphenyl	92-67-1	612-072-00-6	202-177-1
02	Benzidine	92-87-5	612-042-00-2	202-199-1
03	4-Chloro-o-toluidine	95-69-2		202-441-6
04	2-Naphthylamine ( -Naphthylamine)	91-59-8	612-022-00-3	202-080-4
	<b>MAK III A2</b>			
05*	o-Aminoazotoluol (4-amino-2,3-dimethylazobenzene)	97-56-3	611-006-00-3	202-591-2
06	p-Chloroaniline (4-chloroaniline)	106-47-8	612-137-00-9	203-401-0
07	2,4-Diaminoanisole (4-Methoxy-m-phenylenediamine)	615-05-4		210-406-1
08	4,4'-Diaminodiphenylmethane (4,4'-methylendianiline)	101-77-9	612-051-00-1	202-974-4
09	3,3'-Dichlorbenzidine (3,3'-dichlorobiphenyl-4,4'-xylendiamine)	91-94-1	612-068-00-4	202-109-0
10	3,3'-Dimethoxybenzidine (o-Dianisidine)	119-90-4	612-036-00-X	204-355-4
11	3,3'-Dimethylbenzidine (o-Tolidine) (4,4'-bi-o-toluidine)	119-93-7	612-041-00-7	204-358-0
12	3,3'-Dimethyl-4,4'-diaminodiphenylmethane (4,4'-methylene di-o-toluidine)	838-88-0	612-085-00-7	212-658-8
13	4,4'-Methylene-bis-(2-chloro-aniline) (2,2'-dichloro-4,4'-methylenedianiline)	101-14-4	612-078-00-9	202-918-9
14*	2-Amino-4-nitrotoluene (5-nitro-o-toluidine)	99-55-8		202-765-8
15	4,4'-Oxydianiline (4,4'-Diaminodiphenylether)	101-80-4		202-977-0
16	4,4'-Thiodianiline ( 4,4'-Diaminodiphenylsulfide)	139-65-1		205-370-9
17	o-Toluidine (2-aminotoluene)	95-53-4	612-091-00-X	202-429-0
18	4-Methyl-1,3-phenylenediamin (4-methyl-m-phenylenediamin) (2,4-Toluenediamine)	95-80-7	612-099-00-3	202-453-1
19	2,4,5-Trimethylaniline	137-17-7		205-282-0
20	o-Anisidine (2-Methoxyaniline)	90-04-0	612-035-00-4	201-963-1
21	2-Methoxy-5-methylaniline (p-Cresidine) (6-methoxy-m-toluidine)	120-71-8		204-419-1
22**	4-Amino Azobenzene	60-09-3	611-008-00-4	200-453-6
23***	2,4-Xylidine	95-68-1		
24***	2,6-Xylidine	87-62-7		

\* The CAS-numbers 97-56-3 (No. 5) and 99-55-8 (No. 14) are detected further reduced to CAS-numbers 95-53-4 (No. 17) and 95-80-7 (No. 18).

\*\* Azo colorants that are able to form 4-aminoazobenzene generate, under the condition of this method, aniline (CAS-number 62-53-3) and 1,4-phenylenediamine (CAS – number 106-50-3). Due to detection limits, only aniline may be detected. If aniline is detected above 5 mg/kg, then the presence of these colorants should be tested by ISO 14362-3 (for leathers ISO 17234-2).

\*\*\* Not regulated by law

Note: In case the sample was a blend of coloured synthetic material with further coloured fibers several test methods were carried out if necessary.



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TEST RESULTS

Component Name	Test Method	Forbidden Arylamines in Dyestuff Results	Conclusion
Sample 1	DIN EN ISO 14362-1:2017 (with extraction)	ND <sup>(1)</sup>	Pass
Sample 1	DIN EN ISO 14362-1:2017 (without extraction)	ND <sup>(1)</sup>	Pass
Sample 2	DIN EN ISO 14362-1:2017 (with extraction)	ND <sup>(1)</sup>	Pass
Sample 2	DIN EN ISO 14362-1:2017 (without extraction)	ND <sup>(1)</sup>	Pass
Sample 3	DIN EN ISO 14362-1:2017 (with extraction)	ND <sup>(1)</sup>	Pass
Sample 3	DIN EN ISO 14362-1:2017 (without extraction)	ND <sup>(1)</sup>	Pass
Sample 4	DIN EN ISO 14362-1:2017 (with extraction)	ND <sup>(1)</sup>	Pass
Sample 4	DIN EN ISO 14362-1:2017 (without extraction)	ND <sup>(1)</sup>	Pass
Sample 5	DIN EN ISO 14362-1:2017 (with extraction)	ND <sup>(1)</sup>	Pass
Sample 5	DIN EN ISO 14362-1:2017 (without extraction)	ND <sup>(1)</sup>	Pass
Sample 6	DIN EN ISO 14362-1:2017 (with extraction)	ND <sup>(1)</sup>	Pass
Sample 6	DIN EN ISO 14362-1:2017 (without extraction)	ND <sup>(1)</sup>	Pass

Max. limit specified by eco-textile requirement=20 mg/kg (individual).

The sum of cleavable aniline and of possibly also as chemical residue present of aniline has to be also < 100 mg/kg according to eco textile limit values.

Interpretation:

N.D. <sup>(1)</sup> : Not detected according to the analysis as carried out, azo colourants banned under the Ordinance on Commodities were not detected in the article submitted.

LS. : Lack of sample.

NA : Not applicable.

"<" = less than

0 = Test not necessary (commodity not coloured or printed)

mg/kg = milligram per kilogram

ppm = part per million (mg/kg)

with extraction : Extraction method was applied.

without extraction : Extraction method was not applied.

Note : If an arylamine is listed in the test table, this means; The analytical result suggest that the commodity submitted has been manufactured or treated using azo colourant(s) which can release one or more of certain listed amines by cleavage of their azo group(s).



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**TEST RESULTS**

**CARCINOGENIC&ALLERGENIC DYSTUFFS ; DIN 54231:2005**

Extraction at 70°C in methanol. Clean up by filtration and detection by LC-MSMS.

**Sample 1**

<b>Carcinogenic Dyes</b>	<b>Cas.No</b>	<b>RESULT</b>	<b>REQUIREMENT</b>
Acid Red 26	3761-53-3	N.D <sup>(1)</sup>	<50 mg/kg
Basic Blue 26 (Victoria Blue)	2580-56-5	N.D <sup>(1)</sup>	<50 mg/kg
Basic Red 9	569-61-9	N.D <sup>(1)</sup>	<50 mg/kg
Basic Violet 3	548-62-9	N.D <sup>(1)</sup>	<50 mg/kg
Basic Violet 14	632-99-5	N.D <sup>(1)</sup>	<50 mg/kg
Direct Black 38	1937-37-7	N.D <sup>(1)</sup>	<50 mg/kg
Direct Blue 6	2602-46-2	N.D <sup>(1)</sup>	<50 mg/kg
Direct Red 28	573-58-0	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 1 (*)	2475-45-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 11	82-28-0	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 3 (*)	2832-40-8	N.D <sup>(1)</sup>	<50 mg/kg
<b>Allergenic Disperse Dyes</b>			
Disperse Blue 1 (*)	2475-45-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 3	2475-46-9	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 7	3179-90-6	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 26	3860-63-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 35	12222-75-2	N.D <sup>(1)</sup>	<50 mg/kg
Dispers Blue 102	12222-97-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 106	12223-01-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 124	61951-51-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Brown 1	23355-64-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 1	2581-69-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 3	730-40-5	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 37/76	13301-61-6	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 1	2872-52-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 11	2872-48-2	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 17	3179-89-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 1	119-15-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 3 (*)	2832-40-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 9	6373-73-5	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 39	12236-29-2	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 49	54824-37-2	N.D <sup>(1)</sup>	<50 mg/kg
<b>Others Disperse Dyes</b>			
Dispers Orange 149	85136-74-9	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 23	6250-23-3	N.D <sup>(1)</sup>	<50 mg/kg
Basic Green 4 (chloride)	569-64-2	N.D <sup>(1)</sup>	<50 mg/kg
Navy Blue	118685-33-9	N.D <sup>(1)</sup>	ND

N.D<sup>(1)</sup>: Not detected

(\*) : These substances are in both category of the Allergen and Carcinogenic dyestuffs.

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**TEST RESULTS**

**CARCINOGENIC & ALLERGENIC DYSTUFFS ; DIN 54231:2005**

Extraction at 70°C in methanol. Clean up by filtration and detection by LC-MSMS.

**Sample 2**

<b>Carcinogenic Dyes</b>	<b>Cas.No</b>	<b>RESULT</b>	<b>REQUIREMENT</b>
Acid Red 26	3761-53-3	N.D <sup>(1)</sup>	<50 mg/kg
Basic Blue 26 (Victoria Blue)	2580-56-5	N.D <sup>(1)</sup>	<50 mg/kg
Basic Red 9	569-61-9	N.D <sup>(1)</sup>	<50 mg/kg
Basic Violet 3	548-62-9	N.D <sup>(1)</sup>	<50 mg/kg
Basic Violet 14	632-99-5	N.D <sup>(1)</sup>	<50 mg/kg
Direct Black 38	1937-37-7	N.D <sup>(1)</sup>	<50 mg/kg
Direct Blue 6	2602-46-2	N.D <sup>(1)</sup>	<50 mg/kg
Direct Red 28	573-58-0	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 1 (*)	2475-45-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 11	82-28-0	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 3 (*)	2832-40-8	N.D <sup>(1)</sup>	<50 mg/kg
<b>Allergenic Disperse Dyes</b>			
Disperse Blue 1 (*)	2475-45-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 3	2475-46-9	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 7	3179-90-6	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 26	3860-63-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 35	12222-75-2	N.D <sup>(1)</sup>	<50 mg/kg
Dispers Blue 102	12222-97-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 106	12223-01-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 124	61951-51-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Brown 1	23355-64-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 1	2581-69-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 3	730-40-5	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 37/76	13301-61-6	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 1	2872-52-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 11	2872-48-2	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 17	3179-89-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 1	119-15-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 3 (*)	2832-40-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 9	6373-73-5	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 39	12236-29-2	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 49	54824-37-2	N.D <sup>(1)</sup>	<50 mg/kg
<b>Others Disperse Dyes</b>			
Dispers Orange 149	85136-74-9	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 23	6250-23-3	N.D <sup>(1)</sup>	<50 mg/kg
Basic Green 4 (chloride)	569-64-2	N.D <sup>(1)</sup>	<50 mg/kg
Navy Blue	118685-33-9	N.D <sup>(1)</sup>	ND

N.D<sup>(1)</sup>: Not detected

(\*) : These substances are in both category of the Allergen and Carcinogenic dyestuffs.

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**TEST RESULTS**

**CARCINOGENIC & ALLERGENIC DYSTUFFS ; DIN 54231:2005**

Extraction at 70°C in methanol. Clean up by filtration and detection by LC-MSMS.

**Sample 3**

<b>Carcinogenic Dyes</b>	<b>Cas.No</b>	<b>RESULT</b>	<b>REQUIREMENT</b>
Acid Red 26	3761-53-3	N.D <sup>(1)</sup>	<50 mg/kg
Basic Blue 26 (Victoria Blue)	2580-56-5	N.D <sup>(1)</sup>	<50 mg/kg
Basic Red 9	569-61-9	N.D <sup>(1)</sup>	<50 mg/kg
Basic Violet 3	548-62-9	N.D <sup>(1)</sup>	<50 mg/kg
Basic Violet 14	632-99-5	N.D <sup>(1)</sup>	<50 mg/kg
Direct Black 38	1937-37-7	N.D <sup>(1)</sup>	<50 mg/kg
Direct Blue 6	2602-46-2	N.D <sup>(1)</sup>	<50 mg/kg
Direct Red 28	573-58-0	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 1 (*)	2475-45-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 11	82-28-0	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 3 (*)	2832-40-8	N.D <sup>(1)</sup>	<50 mg/kg
<b>Allergenic Disperse Dyes</b>			
Disperse Blue 1 (*)	2475-45-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 3	2475-46-9	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 7	3179-90-6	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 26	3860-63-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 35	12222-75-2	N.D <sup>(1)</sup>	<50 mg/kg
Dispers Blue 102	12222-97-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 106	12223-01-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 124	61951-51-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Brown 1	23355-64-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 1	2581-69-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 3	730-40-5	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 37/76	13301-61-6	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 1	2872-52-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 11	2872-48-2	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 17	3179-89-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 1	119-15-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 3 (*)	2832-40-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 9	6373-73-5	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 39	12236-29-2	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 49	54824-37-2	N.D <sup>(1)</sup>	<50 mg/kg
<b>Others Disperse Dyes</b>			
Dispers Orange 149	85136-74-9	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 23	6250-23-3	N.D <sup>(1)</sup>	<50 mg/kg
Basic Green 4 (chloride)	569-64-2	N.D <sup>(1)</sup>	<50 mg/kg
Navy Blue	118685-33-9	N.D <sup>(1)</sup>	ND

N.D<sup>(1)</sup>: Not detected

(\*) : These substances are in both category of the Allergen and Carcinogenic dyestuffs.

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**TEST RESULTS**

**CARCINOGENIC & ALLERGENIC DYSTUFFS ; DIN 54231:2005**

Extraction at 70°C in methanol. Clean up by filtration and detection by LC-MSMS.

**Sample 4**

<b>Carcinogenic Dyes</b>	<b>Cas.No</b>	<b>RESULT</b>	<b>REQUIREMENT</b>
Acid Red 26	3761-53-3	N.D <sup>(1)</sup>	<50 mg/kg
Basic Blue 26 (Victoria Blue)	2580-56-5	N.D <sup>(1)</sup>	<50 mg/kg
Basic Red 9	569-61-9	N.D <sup>(1)</sup>	<50 mg/kg
Basic Violet 3	548-62-9	N.D <sup>(1)</sup>	<50 mg/kg
Basic Violet 14	632-99-5	N.D <sup>(1)</sup>	<50 mg/kg
Direct Black 38	1937-37-7	N.D <sup>(1)</sup>	<50 mg/kg
Direct Blue 6	2602-46-2	N.D <sup>(1)</sup>	<50 mg/kg
Direct Red 28	573-58-0	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 1 (*)	2475-45-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 11	82-28-0	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 3 (*)	2832-40-8	N.D <sup>(1)</sup>	<50 mg/kg
<b>Allergenic Disperse Dyes</b>			
Disperse Blue 1 (*)	2475-45-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 3	2475-46-9	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 7	3179-90-6	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 26	3860-63-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 35	12222-75-2	N.D <sup>(1)</sup>	<50 mg/kg
Dispers Blue 102	12222-97-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 106	12223-01-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 124	61951-51-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Brown 1	23355-64-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 1	2581-69-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 3	730-40-5	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 37/76	13301-61-6	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 1	2872-52-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 11	2872-48-2	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 17	3179-89-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 1	119-15-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 3 (*)	2832-40-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 9	6373-73-5	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 39	12236-29-2	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 49	54824-37-2	N.D <sup>(1)</sup>	<50 mg/kg
<b>Others Disperse Dyes</b>			
Dispers Orange 149	85136-74-9	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 23	6250-23-3	N.D <sup>(1)</sup>	<50 mg/kg
Basic Green 4 (chloride)	569-64-2	N.D <sup>(1)</sup>	<50 mg/kg
Navy Blue	118685-33-9	N.D <sup>(1)</sup>	ND

N.D<sup>(1)</sup>: Not detected

(\*) : These substances are in both category of the Allergen and Carcinogenic dyestuffs.

Gen.1136-2/03



**EKOTEKS LABORATUVAR ve GÖZETİM  
HİZMETLERİ A.Ş.**

AB-0583-T
21008065
03-21

**TEST RESULTS**

**CARCINOGENIC & ALLERGENIC DYSTUFFS ; DIN 54231:2005**

Extraction at 70°C in methanol. Clean up by filtration and detection by LC-MSMS.

**Sample 5**

<b>Carcinogenic Dyes</b>	<b>Cas.No</b>	<b>RESULT</b>	<b>REQUIREMENT</b>
Acid Red 26	3761-53-3	N.D <sup>(1)</sup>	<50 mg/kg
Basic Blue 26 (Victoria Blue)	2580-56-5	N.D <sup>(1)</sup>	<50 mg/kg
Basic Red 9	569-61-9	N.D <sup>(1)</sup>	<50 mg/kg
Basic Violet 3	548-62-9	N.D <sup>(1)</sup>	<50 mg/kg
Basic Violet 14	632-99-5	N.D <sup>(1)</sup>	<50 mg/kg
Direct Black 38	1937-37-7	N.D <sup>(1)</sup>	<50 mg/kg
Direct Blue 6	2602-46-2	N.D <sup>(1)</sup>	<50 mg/kg
Direct Red 28	573-58-0	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 1 (*)	2475-45-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 11	82-28-0	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 3 (*)	2832-40-8	N.D <sup>(1)</sup>	<50 mg/kg
<b>Allergenic Disperse Dyes</b>			
Disperse Blue 1 (*)	2475-45-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 3	2475-46-9	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 7	3179-90-6	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 26	3860-63-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 35	12222-75-2	N.D <sup>(1)</sup>	<50 mg/kg
Dispers Blue 102	12222-97-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 106	12223-01-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 124	61951-51-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Brown 1	23355-64-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 1	2581-69-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 3	730-40-5	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 37/76	13301-61-6	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 1	2872-52-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 11	2872-48-2	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 17	3179-89-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 1	119-15-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 3 (*)	2832-40-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 9	6373-73-5	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 39	12236-29-2	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 49	54824-37-2	N.D <sup>(1)</sup>	<50 mg/kg
<b>Others Disperse Dyes</b>			
Dispers Orange 149	85136-74-9	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 23	6250-23-3	N.D <sup>(1)</sup>	<50 mg/kg
Basic Green 4 (chloride)	569-64-2	N.D <sup>(1)</sup>	<50 mg/kg
Navy Blue	118685-33-9	N.D <sup>(1)</sup>	ND

N.D<sup>(1)</sup>: Not detected

(\*) : These substances are in both category of the Allergen and Carcinogenic dyestuffs.

Gen.f136-2/03



**EKOTEKS LABORATUVAR ve GÖZETİM  
HİZMETLERİ A.Ş.**

AB-0583-T

21008065

03-21

**TEST RESULTS**

**CARCINOGENIC & ALLERGENIC DYSTUFFS ; DIN 54231:2005**

Extraction at 70°C in methanol. Clean up by filtration and detection by LC-MSMS.

**Sample 6**

<b>Carcinogenic Dyes</b>	<b>Cas.No</b>	<b>RESULT</b>	<b>REQUIREMENT</b>
Acid Red 26	3761-53-3	N.D <sup>(1)</sup>	<50 mg/kg
Basic Blue 26 (Victoria Blue)	2580-56-5	N.D <sup>(1)</sup>	<50 mg/kg
Basic Red 9	569-61-9	N.D <sup>(1)</sup>	<50 mg/kg
Basic Violet 3	548-62-9	N.D <sup>(1)</sup>	<50 mg/kg
Basic Violet 14	632-99-5	N.D <sup>(1)</sup>	<50 mg/kg
Direct Black 38	1937-37-7	N.D <sup>(1)</sup>	<50 mg/kg
Direct Blue 6	2602-46-2	N.D <sup>(1)</sup>	<50 mg/kg
Direct Red 28	573-58-0	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 1 (*)	2475-45-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 11	82-28-0	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 3 (*)	2832-40-8	N.D <sup>(1)</sup>	<50 mg/kg

**Allergenic Disperse Dyes**

Disperse Blue 1 (*)	2475-45-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 3	2475-46-9	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 7	3179-90-6	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 26	3860-63-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 35	12222-75-2	N.D <sup>(1)</sup>	<50 mg/kg
Dispers Blue 102	12222-97-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 106	12223-01-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Blue 124	61951-51-7	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Brown 1	23355-64-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 1	2581-69-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 3	730-40-5	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Orange 37/76	13301-61-6	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 1	2872-52-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 11	2872-48-2	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Red 17	3179-89-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 1	119-15-3	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 3 (*)	2832-40-8	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 9	6373-73-5	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 39	12236-29-2	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 49	54824-37-2	N.D <sup>(1)</sup>	<50 mg/kg

**Others Disperse Dyes**

Dispers Orange 149	85136-74-9	N.D <sup>(1)</sup>	<50 mg/kg
Disperse Yellow 23	6250-23-3	N.D <sup>(1)</sup>	<50 mg/kg
Basic Green 4 (chloride)	569-64-2	N.D <sup>(1)</sup>	<50 mg/kg
Navy Blue	118685-33-9	N.D <sup>(1)</sup>	ND

N.D<sup>(1)</sup>: Not detected

(\*) : These substances are in both category of the Allergen and Carcinogenic dyestuffs.

Gen.f136-2/03