TEST REPORT Number: DELC16027959

REPORT FROM INTERTEK INDIA PVT. LTD

Applicant: NIRMAL FIBRES PVT. LTD. Date: 22ND DECEMBER, 2016
3RD MILESTONE, DELHI MORADABAD ROAD,
J.P NAGAR, GAJRAULA, Uttar Pradesh,
244235, INDIA

Attn: Mr. FAIZAN KHAN

SAMPLE DESCRIPTION:

One (1) Piece of submitted samples said to be :

Item name	:	THE SUBMITTED SAMPLE SAID TO BE :- [1] RECYCLED POLYESTER STAPLE FIBER OFF WHITE [2] RECYCLED POLYESTER STAPLE FIBER RAW WHITE [3] BLACK RECYCLED POLYESTER STAPLE FIBER [4] GREEN RECYCLED POLYESTER STAPLE FIBER [5] BRUNO RECYCLED POLYESTER STAPLE FIBER
Buyer	:	NOT PROVIDED
Color	:	OFF WHITE/RAW WHITE/BLACK/GREEN/BRUNO
STYLE NO.	:	-
SEASON	:	-
Manufacturerer's Name	:	NIRMAL FIBRES PVT. LTD.
Country Of Destination	:	INDIA
Date Received/Date Test Started	:	19th December, 2016

TESTS CONDUCTED:

As requested by the applicant, refer to attached page(s) for details.

CONCLUSION:

TESTED SAMPLE	STANDARD	RESULT
Submitted sample	EU REACH Regulation (EC) No 1907/2006 Article 33(1) Obligation to provide information of safe use (see REACH requirement in report for details)	Meet requirement

REMARK: TESTING HAS BEEN CONDUCTED ON COMPOSITE BASIS.

Authorized by:
for Intertek India Private Limited [Analytical – Gurgaon]

Mr. Pravin More
Lab Manager

TEST REPORT Number: DELC16027959

1. SVHC SCREENING TEST
By a combination of X-Ray Fluorescence Spectroscopy, Inductively Coupled Argon Plasma Spectrometry and Gas Chromatographic – Mass Spectrometry techniques.

Chemical Substances	EC No.	CAS No.	Results % (w/w) Whole Product
[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	208-953-6	548-62-9	<0.02
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl] -1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	423-400-0	59653-74-6	<0.02
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	<0.02
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	209-218-2	561-41-1	<0.02
Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	<0.02
1,2-dimethoxyethane; ethylene glycoldimethyl ether (EGDME)	203-794-9	110-71-4	<0.02
Diboron trioxide	215-125-8	1303-86-2	<0.02
α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	229-851-8	6786-83-0	<0.02
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	219-514-3	2451-62-9	<0.02
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	<0.02
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	<0.02
[4-[[4-anilino-1-naphthyl][4-(dimethylamino) phenyl]methylene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	219-943-6	2580-56-5	<0.02
Formamide	200-842-0	75-12-7	<0.02
4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	<0.02
N,N-dimethylacetamide	204-826-4	127-19-5	<0.02

Chemical Substances	EC No.	CAS No.	Results % (w/w) Whole Product
Phenolphthalein	201-004-7	77-09-8	<0.02
Lead diazide, Lead azide	236-542-1	13424-46-9	<0.02
Lead dipicrate	229-335-2	6477-64-1	<0.02
Calcium arsenate	231-904-5	7778-44-1	<0.02
1,2-dichloroethane	203-458-1	107-06-2	<0.02
Dichromium tris(chromate)	246-356-2	24613-89-6	<0.02
2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0	<0.02
Pentazinc chromate octahydroxide	256-418-0	49663-84-5	<0.02
Arsenic acid	231-901-9	7778-39-4	<0.02
Potassium Hydroxyoctaoxodizincatedichromate	234-329-8	11103-86-9	<0.02
Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	<0.02
Lead styphnate	239-290-0	15245-44-0	<0.02
Trilead diarsenate	222-979-5	3687-31-8	<0.02
Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μm). c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight	--	--	<0.02

Chemical Substances	EC No.	CAS No.	Results % (w/w) Whole Product
Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight	--	--	<0.02
Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	<0.02
Bis(2-methoxyethyl) ether	203-924-4	111-96-6	<0.02
2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	<0.02
Cobalt dichloride	231-589-4	7646-79-9	<0.02
1,2-Benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich	276-158-1	71888-89-6	<0.02
Strontium chromate	232-142-6	7789-06-2	<0.02
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	<0.02
1-Methyl-2-pyrrolidone	212-828-1	872-50-4	<0.02
1,2,3-Trichloropropane	202-486-1	96-18-4	<0.02
2-Ethoxyethyl acetate	203-839-2	111-15-9	<0.02
Hydrazine	206-114-9	302-01-2, 7803-57-8	<0.02
Cobalt(II) diacetate	200-755-8	71-48-7	<0.02
Cobalt(II) sulphate	233-334-2	10124-43-3	<0.02
2-Ethoxyethanol	203-804-1	110-80-5	<0.02
2-Methoxyethanol	203-713-7	109-86-4	<0.02
Chromium trioxide	215-607-8	1333-82-0	<0.02
Acids generated from chromium trioxide and their oligomers. Group containing: Chromic acid, Dichromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	231-801-5, 236-881-5	7738-94-5, 13530-68-2	<0.02

Chemical Substances	EC No.	CAS No.	Results % (w/w) Whole Product
Cobalt(II) carbonate	208-169-4	513-79-1	<0.02
Cobalt(II) dinitrate	233-402-1	10141-05-6	<0.02
Trichloroethylene	201-167-4	79-01-6	<0.02
Potassium dichromate	231-906-6	7778-50-9	<0.02
Tetraboron disodium heptaoxide, Hydrate	235-541-3	12267-73-1	<0.02
Ammonium dichromate	232-143-1	7789-09-5	<0.02
Boric acid	233-139-2, 234-343-4	10043-35-3, 11113-50-1	<0.02
Sodium chromate	231-889-5	7775-11-3	<0.02
Disodium tetraborate, anhydrous	215-540-4	1303-96-4, 1330-43-4, 12179-04-3	<0.02
Potassium chromate	232-140-5	7789-00-6	<0.02
Acrylamide	201-173-7	79-06-1	<0.02
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	215-693-7	1344-37-2	<0.02
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	235-759-9	12656-85-8	<0.02
Anthracene oil	292-602-7	90640-80-5	<0.02
2,4-Dinitrotoluene	204-450-0	121-14-2	<0.02
Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	<0.02
Anthracene oil, anthracene-low	292-604-8	90640-82-7	<0.02
Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	<0.02
Diisobutyl phthalate	201-553-2	84-69-5	<0.02
Lead chromate	231-846-0	7758-97-6	<0.02
Anthracene oil, anthracene paste	292-603-2	90640-81-6	<0.02
Pitch, coal tar, high temp.	266-028-2	65996-93-2	<0.02
Anthracene oil, anthracene paste,distn. Lights	295-278-5	91995-17-4	<0.02
Lead hydrogen arsenate	232-064-2	7784-40-9	<0.02
Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	<0.02
Bis (2-ethylhexyl)phthalate (DEHP)	204-211-0	117-81-7	<0.02
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2	<0.02
Bis(tributyltin)oxide (TBTO)	200-268-0	56-35-9	<0.02
Diarsenic trioxide	215-481-4	1327-53-3	<0.02
Sodium dichromate	234-190-3	7789-12-0, 10588-01-9	<0.02
Triethyl arsenate	427-700-2	15606-95-8	<0.02

Chemical Substances	EC No.	CAS No.	Results % (w/w) Whole Product
Diarsenic pentaoxide	215-116-9	1303-28-2	<0.02
Dibutyl phthalate (DBP)	201-557-4	84-74-2	<0.02
4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	<0.02
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	<0.02
Anthracene	204-371-1	120-12-7	<0.02
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha -hexabromocyclododecane Betahexabromocyclododecane Gamma -hexabromocyclododecane	247-148-4 and 221-695-9	25637-99-4, 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	<0.02
Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	214-604-9	1163-19-5	<0.02
Pentacosafluorotridecanoic acid	276-745-2	72629-94-8	<0.02
Tricosafluorododecanoic acid	206-203-2	307-55-1	<0.02
Henicosafluoroundecanoic acid	218-165-4	2058-94-8	<0.02
Heptacosafluorotetradecanoic acid	206-803-4	376-06-7	<0.02
Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	<0.02
Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry].	201-604-9, 236-086-3, 238-009-9	85-42-7, 13149-00-3, 14166-21-3	<0.02
Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	<0.02

Chemical Substances	EC No.	CAS No.	Results % (w/w) Whole Product
4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	-	<0.02
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	-	<0.02
Methoxyacetic acid	210-894-6	625-45-6	<0.02
N,N-dimethylformamide	200-679-5	68-12-2	<0.02
Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	<0.02
Lead monoxide (Lead oxide)	215-267-0	683-18-1	<0.02
Orange lead (Lead tetroxide)	215-235-6	1314-41-6	<0.02
Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	<0.02
Trilead bis(carbonate)dihydroxide	215-290-6	1319-46-6	<0.02
Lead titanium trioxide	235-038-9	12060-00-3	<0.02
Lead titanium zirconium oxide	235-727-4	12626-81-2	<0.02
Silicic acid, lead salt	234-363-3	11120-22-2	<0.02
Silicic acid (H2Si2O5), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]	272-271-5	68784-75-8	<0.02
1-bromopropane (n-propyl bromide)	203-445-0	106-94-5	<0.02
Methyloxirane (Propylene oxide)	200-879-2	75-56-9	<0.02
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	<0.02
Diisopentylphthalate (DIPP)	210-088-4	605-50-5	<0.02

TEST REPORT Number: DELC16027959

Chemical Substances	EC No.	CAS No.	Results % (w/w) Whole Product
N-pentyl-isopentylphthalate	-	776297-69-9	<0.02
1,2-diethoxyethane	211-076-1	629-14-1	<0.02
Acetic acid, lead salt, basic	257-175-3	51404-69-4	<0.02
Lead oxide sulfate	234-853-7	12036-76-9	<0.02
[Phthalato(2-)]dioxotrilead	273-688-5	69011-06-9	<0.02
Dioxobis(stearato)trilead	235-702-8	12578-12-0	<0.02
Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	<0.02
Lead cynamidate	244-073-9	20837-86-9	<0.02
Lead dinitrate	233-245-9	10099-74-8	<0.02
Pentalead tetraoxide sulphate	235-067-7	12065-90-6	<0.02
Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	<0.02
Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	<0.02
Tetraethyllead	201-075-4	78-00-2	<0.02
Tetralead trioxide sulphate	235-380-9	12202-17-4	<0.02
Trilead dioxide phosphonate	235-252-2	12141-20-7	<0.02
Furan	203-727-3	110-00-9	<0.02
Diethyl sulphate	200-589-6	64-67-5	<0.02
Dimethyl sulphate	201-058-1	77-78-1	<0.02
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	<0.02
Dinoseb (6-sec-butyl-2,4-dinitrophenol)	201-861-7	88-85-7	<0.02
4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	<0.02
4,4'-oxydianiline and its salts	202-977-0	101-80-4	<0.02
4-aminoazobenzene	200-453-6	60-09-3	<0.02
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	<0.02
6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	<0.02
Biphenyl-4-ylamine	202-177-1	92-67-1	<0.02
o-aminoazotoluene [(4-o-tolylazo-o-toluidine])	202-591-2	97-56-3	<0.02
o-toluidine	202-429-0	95-53-4	<0.02
N-methylacetamide	201-182-6	79-16-3	<0.02
Cadmium	231-152-8	7440-43-9	<0.02
Cadmium oxide	215-146-2	1306-19-0	<0.02
Ammonium pentadecafluorooctanoate (APFO)	223-320-4	3825-26-1	<0.02
Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	<0.02
Dipentyl phthalate (DPP)	205-017-9	131-18-0	<0.02

Chemical Substances	EC No.	CAS No.	Results % (w/w) Whole Product
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	-	<0.02
Cadmium sulphide	215-147-8	1306-23-6	<0.02
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis (azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	573-58-0	<0.02
Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl) azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	217-710-3	1937-37-7	<0.02
Dihexyl phthalate	201-559-5	84-75-3	<0.02
Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-45-7	<0.02
Lead di(acetate)	206-104-4	301-04-2	<0.02
Trixylyl phosphate	246-677-8	25155-23-1	<0.02
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	<0.02
Cadmium chloride	233-296-7	10108-64-2	<0.02
Sodium perborate; perboric acid, sodium salt	239-172-9 234-390-0	-	<0.02
Sodium peroxometaborate	231-556-4	7632-04-4	<0.02

Chemical Substances	EC No.	CAS No.	Results % (w/w) Whole Product
Cadmium fluoride	232-222-0	7790-79-6	<0.02
Cadmium sulphate	233-331-6	10124-36-4; 31119-53-6	<0.02
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	<0.02
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	<0.02
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	<0.02
reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	-	<0.02
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters;1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	271-094-0 272-013-1	68515-51-5 68648-93-1	<0.02
5-sec-butyl-2-(2-4,dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	-	<0.02
Nitrobenzene	202-716-0	98-95-3	<0.02
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	<0.02
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	<0.02
1,3-propanesultone	214-317-9	1120-71-4	<0.02
Perfluorononan-1-oic-acid and its sodium and ammonium saltspropanesultone	206-801-3	375-95-1 21049-39-8 4149-60-4	<0.02
Benzo(def)chrysene Benzo(a)pyrene	200-028-5	50-32-8	<0.02

Remark : SVHC = Substance of Very High Concern
< = Less than
Δ = Determination was based on elemental analysis.

The chemical substances listed in table above are the 169 SVHC included in candidate list promulgated by European Chemical Agency (ECHA) before and on June 20, 2016, which are defined in Article 57 of REACH Regulation (EC 1907/2006).
REACH requirement: As per Article 33(1) of the REACH Regulation (EC1907/2006), recipients of product must be provided with information of safe use if any of the tested substances (SVHC) exceeded 0.1% (w/w). A product meets the requirement of Article 33(1) by default when no SVHC exceeds 0.1% (w/w).

DATE SAMPLE RECEIVED: 19th December, 2016
TESTING PERIOD: 19th December, 2016 to 22nd December, 2016

****

TEST REPORT Number: DELC16027959

PHOTO

****

END OF REPORT