



Test Report

Report No. A2200198646101
Report Issued Date Jul. 2, 2020

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The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

Applicant TAIWAN ADDITIVE CHEMICAL CO., LTD.
Address NO.146,MINZU RD.,LINKOU DIST.,NEW TAIPEI CITY 24462,TAIWAN

Sample Description Silicone
Contact Person XuFangshuo
Tel No. 02-26086285
Mail Box addichem@ms41.hinet.net
Summary Report PASS
Failure Test Items --
Amount of Sample 40g
Buyer's Name/Division Adidas Apparel
Age Grade Adults & Infant
Material Name/Material Code Silicone
Color Name/Code --
Supplier --
Country of Origin --
Country of Destination --
Material Component --
Sample Classification --
Material key code under 509+Cement
adidas-Group A-01 test standard (2019)



Approved by

Hill Zheng

Date

Jul. 2, 2020

Hill Zheng
Technical Manager

No. S145811810

Centre Testing International Group Co., Ltd.

CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

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RSL based on The adidas-Group A-01 RSL(2019)
Report Type FT
Mark the Former full test report No. --
P.O. No. --
Style No. --
Additional information --
Item No. Silicone(85-series,89-series)/Silicone pigments(LT-8D-series)
Sample Received Date Jun. 24, 2020
Testing Period Jun. 24, 2020 to Jul. 2, 2020

Full Test (FT)/ First Order (FO)/ Separate Colors (SC*)/ New version update test items (NT*)/ Improvement Test (IT*)/ Random Test (RT)/ Supplier Internal (SI)/ Special Test (ST*)

Test Conducted:

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

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<u>Summary of Test Result(s)</u>			
Test Item(s)	Pre-Treatment	Test Request	Test Result/ Conclusion
Extractable heavy metals	DIN EN ISO 105-E04 (2013) in acid solution (1 hour extraction with 37°C)	DIN EN ISO 11885 (2009)/DIN EN ISO 12846(2012)(for Hg)	PASS
Cadmium(Cd)	DIN EN 16711-1:2016	DIN EN ISO 11885 (2009)	PASS
Lead(Pb)	DIN EN 16711-1:2016	DIN EN ISO 11885 (2009)	PASS
Chlorinated phenols	Extraction With KOH(16 h at 90°C)	GCMS	PASS
Ortho-phenylphenol	Extraction With KOH(16 h at 90°C)	GCMS	PASS
Formaldehyde	DIN EN ISO 14184-1, (2011)		PASS
Disperse dyestuffs(allergenic)	DIN 54231 (2005)		PASS
Disperse dyestuffs(carcinogenic)	DIN 54231 (2005)		PASS
AZO Colorants	DIN EN ISO 14362-1:2017/ DIN EN ISO 14362-3:2017		PASS
Alkylphenols and Alkylphenol Ethoxylates	NP,OP: Extraction with THF NPEO,OPEO: DIN EN ISO 18254-1(2016)	NP,OP: GCMS or LCMS NPEO,OPEO: DIN EN ISO 18254-1(2016)	PASS
Organotin compounds	ISO/TS 16179 (2012)		PASS
Phthalates	CPSC-CH-C1001-09.4(2018)		PASS
Short Chain Chlorinated Paraffins (SCCPs)	DIN EN ISO 18219:2016		PASS
Polycyclic Aromatic Hydrocarbons (PAHs)	AfPS GS 2014:01		N/A
Volatile Organic Compounds(VOC)	Solvent Extraction, Analysis by GCMS		PASS

N/A = Not Applicable

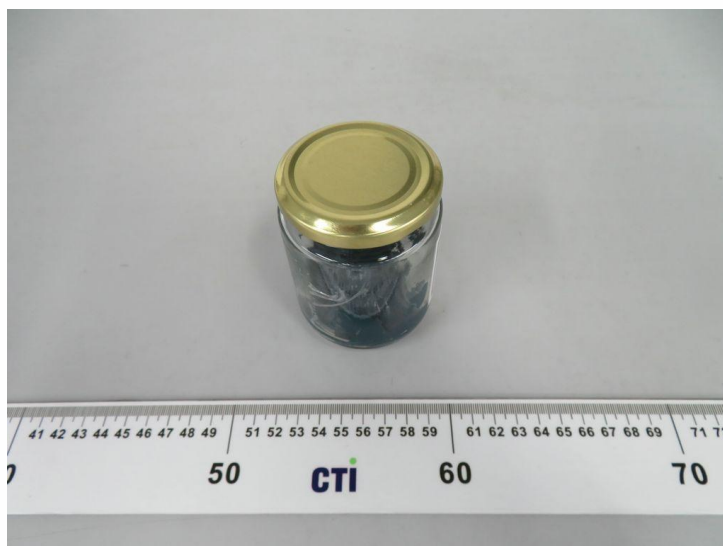
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Photo(s) of the sample(s)



*****For Further Details, Please Refer to the Following Page(s) *****

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Tests Conducted (As Requested by the Client)

1 Extractable heavy metals (DIN EN ISO 11885 (2009)/DIN EN ISO 12846(2012)(for Hg))

Tested Item(s)	Test Result (mg/kg)	MDL (mg/kg)	Client's Limit (mg/kg)
	001		
Cadmium(Cd)	N.D.	0.02	≤0.1
Chromium(Cr)	N.D.	0.02	≤1
Lead(Pb)	N.D.	0.2	≤0.2
Mercury(Hg)	N.D.	0.02	≤0.02

2 Cadmium(Cd) (DIN EN ISO 11885 (2009))

Tested Item(s)	Test Result (mg/kg)	MDL (mg/kg)	Client's Limit (mg/kg)
	001		
Cadmium(Cd)	N.D.	5	≤40

3 Lead(Pb) (DIN EN ISO 11885 (2009))

Tested Item(s)	Test Result (mg/kg)	MDL (mg/kg)	Client's Limit (mg/kg)
	001		
Lead(Pb)	N.D.	5	≤40

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4 Chlorinated phenols (GCMS)

Tested Item(s)	Test Result (mg/kg)	MDL (mg/kg)	Client's Limit (mg/kg)
	001		
2,3,4-Trichlorophenol	N.D.	0.05	--
2,3,5-Trichlorophenol	N.D.	0.05	--
2,3,6-Trichlorophenol	N.D.	0.05	--
2,4,5-Trichlorophenol	N.D.	0.05	--
2,4,6-Trichlorophenol	N.D.	0.05	--
3,4,5-Trichlorophenol	N.D.	0.05	--
2,3,4,5-Tetrachlorophenol	N.D.	0.05	--
2,3,4,6-Tetrachlorophenol	N.D.	0.05	--
2,3,5,6-Tetrachlorophenol	N.D.	0.05	--
Pentachlorophenol	N.D.	0.05	--
sum of(PCP+TeCP+TriCP)	N.D.	--	≤0.05

5 Ortho-phenylphenol (GCMS)

Tested Item(s)	Test Result (mg/kg)	MDL (mg/kg)	Client's Limit (mg/kg)
	001		
Ortho-phenylphenol	N.D.	0.5	≤1000

6 Formaldehyde (DIN EN ISO 14184-1, (2011))

Tested Item(s)	Test Result (mg/kg)	MDL (mg/kg)	Client's Limit (mg/kg)
	001		
Formaldehyde	N.D.	16	≤16

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7 Disperse dyestuffs(allergenous) (DIN 54231 (2005))

Code	Tested Item(s)	CAS No.	Test Result (mg/kg)	MDL (mg/kg)	Client's Limit (mg/kg)
			001		
1	Disperse Blue 1	2475-45-8	N.D.	15	≤50
2	Disperse Blue 3	2475-46-9	N.D.	15	≤50
3	Disperse Blue 7	3179-90-6	N.D.	15	≤50
4	Disperse Blue 26	3860-63-7	N.D.	15	≤50
5	Disperse Blue 35	12222-75-2	N.D.	15	≤50
6	Disperse Blue 102	12222-97-8	N.D.	15	≤50
7	Disperse Blue 106	12223-01-7	N.D.	15	≤50
8	Disperse Blue 124	61951-51-7	N.D.	15	≤50
9	Disperse Red 1	2872-52-8	N.D.	15	≤50
10	Disperse Red 11	2872-48-2	N.D.	15	≤50
11	Disperse Red 17	3179-89-3	N.D.	15	≤50
12	Disperse Yellow 1	119-15-3	N.D.	15	≤50
13	Disperse Yellow 3	2832-40-8	N.D.	15	≤50
14	Disperse Yellow 9	6373-73-5	N.D.	15	≤50
15	Disperse Yellow 39	12236-29-2	N.D.	15	≤50
16	Disperse Yellow 49	54824-37-2	N.D.	15	≤50
17	Disperse Orange 1	2581-69-3	N.D.	15	≤50
18	Disperse Orange 3	730-40-5	N.D.	15	≤50
19	Disperse Orange 37/76/59	13301-61-6	N.D.	15	≤50
20	Disperse Brown 1	23355-64-8	N.D.	15	≤50
21	Disperse Orange 149	85136-74-9	N.D.	15	≤50
22	Disperse Yellow 23	6250-23-3	N.D.	15	≤50

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8 Disperse dyestuffs(carcinogenic) (DIN 54231 (2005))

Code	Tested Item(s)	CAS No.	Test Result (mg/kg)	MDL (mg/kg)	Client's Limit (mg/kg)
			001		
1	Acid Red 26	3761-53-3	N.D.	15	≤50
2	Basic Red 9	569-61-9	N.D.	15	≤50
3	Basic Violet 14	632-99-5	N.D.	15	≤50
4	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo]4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate(C.I. Direct Black 38)	1937-37-7	N.D.	15	≤50
5	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	N.D.	15	≤50
6	Direct Blue 6	2602-46-2	N.D.	15	≤50
7	Disperse Orange 11	82-28-0	N.D.	15	≤50
8	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Violet 3)	548-62-9	N.D.	15	≤50
9	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylenecyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Blue 26)	2580-56-5	N.D.	15	≤50

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9 AZO Colorants (DIN EN ISO 14362-1:2017/ DIN EN ISO 14362-3:2017)

Code	Tested Item(s)	CAS No.	Test Result (mg/kg)	MDL (mg/kg)	Client's Limit (mg/kg)
			001		
1	4-aminobiphenyl	92-67-1	N.D.	5	≤20
2	Benzidine	92-87-5	N.D.	5	≤20
3	4-chloro-o-toluidine	95-69-2	N.D.	5	≤20
4	2-naphthylamine	91-59-8	N.D.	5	≤20
5	o-aminoazotoluene	97-56-3	N.D.	5	≤20
6	5-nitro-o-toluidine	99-55-8	N.D.	5	≤20
7	4-chloroaniline	106-47-8	N.D.	5	≤20
8	2,4-diaminoanisole	615-05-4	N.D.	5	≤20
9	4,4'- Diaminodiphenylmethane	101-77-9	N.D.	5	≤20
10	3,3'-dichlorobenzidine	91-94-1	N.D.	5	≤20
11	3,3'-dimethoxybenzidine	119-90-4	N.D.	5	≤20
12	3,3'-dimethylbenzidine	119-93-7	N.D.	5	≤20
13	4,4'-methylenedi-o-toluidine	838-88-0	N.D.	5	≤20
14	6-methoxy-m-toluidine	120-71-8	N.D.	5	≤20
15	4,4'-methylene-bis-(2-chloro- aniline)	101-14-4	N.D.	5	≤20
16	4,4'-oxydianiline	101-80-4	N.D.	5	≤20
17	4,4'-thiodianiline	139-65-1	N.D.	5	≤20
18	o-Toluidine	95-53-4	N.D.	5	≤20
19	2,4-diaminotoluene	95-80-7	N.D.	5	≤20
20	2,4,5-trimethylaniline	137-17-7	N.D.	5	≤20
21	2-methoxyaniline	90-04-0	N.D.	5	≤20
22	4-aminoazobenzene	60-09-3	N.D.	5	≤20
23	2,4-xylidine	95-68-1	N.D.	5	≤20
24	2,6-xylidine	87-62-7	N.D.	5	≤20

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10 Alkylphenols and Alkylphenol Ethoxylates (NP,OP: GCMS or LCMS NPEO,OPEO: DIN EN ISO 18254-1(2016))

Tested Item(s)	Test Result (mg/kg)	MDL (mg/kg)	Client's Limit (mg/kg)
	001		
Octylphenol(OP)	N.D.	10	≤10
Nonylphenol(NP)	N.D.	10	≤10
Octylphenol Ethoxylate(OPEOs)	N.D.	50	--
Nonylphenol Ethoxylate(NPEOs)	N.D.	50	--
sum of(NP+OP+NPEO+OPEO)	N.D.	--	≤100

11 Organotin compounds (ISO/TS 16179 (2012))

Tested Item(s)	Test Result (mg/kg)	MDL (mg/kg)	Client's Limit (mg/kg)
	001		
Monobutyltin(MBT)	N.D.	0.05	≤1
Monooctyltin(MOT)	N.D.	0.05	≤1
Dibutyltin(DBT)	N.D.	0.05	≤1
Diocetyl tin(DOT)	N.D.	0.05	≤1
Triocetyl tin(TOT)	N.D.	0.05	≤1
Tributyltin(TBT)	N.D.	0.025	≤0.05
Triphenyltin(TPHT)	N.D.	0.05	≤0.5

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12 Phthalates (CPSC-CH-C1001-09.4(2018))

Code	Tested Item(s)	CAS No.	Test Result (mg/kg)	MDL (mg/kg)	Client's Limit (mg/kg)
			001		
1	Dibutyl phthalate(DBP)	84-74-2	N.D.	30	--
2	Butyl benzyl phthalate(BBP)	85-68-7	N.D.	30	--
3	Di-(2-ethylhexyl) phthalate(DEHP)	117-81-7	N.D.	30	--
4	Di-n-octyl phthalate(DNOP)	117-84-0	N.D.	30	--
5	Di-isononyl phthalate(DINP)	28553-12-0, 68515-48-0	N.D.	50	--
6	Di-iso-decyl phthalate(DIDP)	26761-40-0, 68515-49-1	N.D.	50	--
7	Diisobutyl phthalate(DIBP)	84-69-5	N.D.	30	--
8	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich(DIHP)	71888-89-6	N.D.	50	--
9	1,2-Benzenedicarboxylic acid, di-(C7-11)-branched and linear alkyl esters(DHNUP)	68515-42-4	N.D.	50	--
10	Di-n-hexyl phthalate(DNHP)	84-75-3	N.D.	30	--
11	Bis(2-methoxyethyl) phthalate(DMEP)	117-82-8	N.D.	30	--
12	Dipentyl phthalate(DPP)	131-18-0	N.D.	30	--
13	Dicyclohexyl phthalate(DCHP)	84-61-7	N.D.	30	--
14	Diisopentylphthalate(DIPP)	605-50-5	N.D.	30	--
15	sum of Phthalates	--	N.D.	--	≤500

13 Short Chain Chlorinated Paraffins (SCCPs) (DIN EN ISO 18219:2016)

Tested Item(s)	Test Result (mg/kg)	MDL (mg/kg)	Client's Limit (mg/kg)
	001		
Short Chain Chlorinated Paraffins(SCCPs)	N.D.	100	≤1000

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14 Volatile Organic Compounds(VOC) (Solvent Extraction, Analysis by GCMS)

Code	Tested Item(s)	CAS No.	Test Result (mg/kg)	MDL (mg/kg)	Client's Limit (mg/kg)
			001		
1	Benzene	71-43-2	N.D.	1	≤5
2	Toluene	108-88-3	N.D.	10	≤1000
3	o-Xylene	95-47-6	N.D.	10	--
4	m-Xylene	108-38-3	N.D.	10	--
5	p-Xylene	106-42-3	N.D.	10	--
6	o-Cresol	95-48-7	N.D.	10	--
7	m-Cresol	108-39-4	N.D.	10	--
8	p-Cresol	106-44-5	N.D.	10	--
9	Methylene Chloride	75-09-2	N.D.	10	≤1000
10	Trichloromethane	67-66-3	N.D.	10	≤1000
11	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	10	≤1000
12	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	10	≤1000
13	Trichloroethylene	79-01-6	N.D.	10	≤1000
14	Tetrachloroethylene	127-18-4	N.D.	10	≤1000
15	Cyclohexane	110-82-7	N.D.	10	≤1000
16	N,N-dimethylformamide	68-12-2	N.D.	10	≤500
17	Tetrahydrofuran	109-99-9	N.D.	10	≤1000
18	Cyclohexanone	108-94-1	N.D.	10	≤1000
19	n-Propylbenzene	103-65-1	N.D.	50	≤1000
20	Isopropylbenzene	98-82-8	N.D.	50	≤1000
21	n-Butylbenzene	104-51-8	N.D.	50	≤1000
22	Tert-butylbenzene	98-06-6	N.D.	50	≤1000
23	Isobutylbenzene	538-93-2	N.D.	50	≤1000
24	Sec-butylbenzene	135-98-8	N.D.	50	≤1000
25	Dimethylbenzene/Xylene(meta-,ortho-,para-)	--	N.D.	--	≤1000
26	Methylphenol/Cresol(meta-,ortho-,para-)	--	N.D.	--	≤1000

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Remark: -MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million

Tested Sample/Part Description

001 Dark blue silicone pigment

Statement:

1. This report is considered invalidated without approval signature, special stamp;
2. The sample(s) and sample Information was/were provided by the client who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Without written approval of CTI, this report can't be reproduced except in full;

*** End of Report ***