

TECHNICAL REPORT

for

NAME
ADDRESS

BLC Job Reference:			
Customer Order No:			
Date Work Confirmed:		Date Completed:	

Chem-MAP MRSL Testing

The samples tested in this report have been assessed against the requirements of the specifications listed for the **SELECTED TESTS ONLY**. Statements of compliance against any specification relate exclusively to the sample tested as requested by the client and may not be representative of full specification testing:

ZDHC Manufacturing Restricted Substances List V3.1 2023
Chapter 1: ZDHC MRSL - Leather

According to the requirements, the sample(s) were found to:

Comply/Not Comply

Additional comments/information (if relevant)

Technical Report Writer



DETAILS OF SAMPLE RECEIVED

Sample Reference	Description	Unique Reference/Identifier

TEST RESULTS

Sample	Substance	CAS No.	Limit (mg/kg)	Result (ppm)	Pass/Fail
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): Including All Isomers					
S1	Nonylphenol (NP), mixed isomers	104-40-5	100		Pass
		11066-49-2			
		25154-52-3			
		84852-15-3			
S1	Nonylphenol ethoxylates (NPEO)	9016-45-9	250		Pass
		26027-38-3			
		37205-87-1			
		68412-54-4			
S1	Octylphenol ethoxylates (OPEO)	9002-93-1	250		Pass
		9036-19-5			
		68987-90-6			
S1	Octylphenol (OP), mixed isomers	140-66-9	100		Pass
		1806-26-4			
		27193-28-8			



Sample	Substance	CAS No.	Limit (mg/kg)	Result (ppm)	Pass/Fail
Anti-Microbials and Biocides					
S1	Dimethylfumarate (DMFu)	624-49-7	10		Pass
S1	Permethrin	52645-53-1	250		Pass
S1	Triclosan	3380-34-5	250		Pass
Chlorinated Paraffins					
S1	Short-chain chlorinated paraffin (SCCPs), (C10-C13)	85535-84-8	250		Pass
S1	Medium-chain Chlorinated paraffins (MCCPs), (C14-C17)	85535-85-9	250		Pass
Chlorobenzenes and Chlorotoluenes					
S1	1,2-Dichlorobenzene	95-50-1	500		Pass
S1	Other isomers of mono-, di-, tri-, tetra-, penta- and hexa- chlorobenzene and mono-, di-, tri-, tetra- and penta-chlorotoluene	108-90-7 541-73-1 106-46-7 87-61-6 120-82-1 108-70-3 634-66-2 634-90-2 95-94-3 608-93-5 118-74-1 95-49-8 108-41-8 106-43-4 32768-54-0 95-73-8 19398-61-9 118-69-4 95-75-0 25186-47-4 7359-72-0 2077-46-5 6629-30-1 23749-65-7 21472-86-6 1006-32-2 875-40-1 1006-31-1 877-11-2	Sum = 200 (Tetrachlorotoluene and Trichlorotoluene 10mg/kg each)		Pass



Sample	Substance	CAS No.	Limit (mg/kg)	Result (ppm)	Pass/Fail
Chlorophenols					
S1	Pentachlorophenol (PCP)	87-86-5	5		Pass
S1	2,3,4,5-Tetrachlorophenol	4901-51-3	Sum = 15		Pass
	2,3,4,6-Tetrachlorophenol	58-90-2			
	2,3,5,6-Tetrachlorophenol	935-95-5			
S1	2,4-dichlorophenol	120-83-2	Sum = 50		Pass
	2-chlorophenol	95-57-8			
	2,5-dichlorophenol	583-78-8			
	2,6-dichlorophenol	87-65-0			
	2,4,6-trichlorophenol	88-06-2			
	3,5-dichlorophenol	591-35-5			
	2,4,5-trichlorophenol	95-95-4			
	2,3-dichlorophenol	576-24-9			
	3,4-dichlorophenol	95-77-2			
	3-chlorophenol	108-43-0			
	4-chlorophenol	106-48-9			
	2,3,4-trichlorophenol	15950-66-0			
	3,4,5-trichlorophenol	609-19-8			
2,3,5-trichlorophenol	933-78-8				
2,3,6-trichlorophenol	933-75-5				



Sample	Substance	CAS No.	Limit (mg/kg)	Result (ppm)	Pass/Fail
Restricted Aromatic Amines (Cleavable from Azo-colourants)					
S1	2-Naphthylamine	91-59-8	150		Pass
S1	2,4-Xylidine	95-68-1	150		Pass
S1	2,4,5-Trimethylaniline	137-17-7	150		Pass
S1	2,6-Xylidine	87-62-7	150		Pass
S1	3,3-Dichlorobenzidine	91-94-1	150		Pass
S1	3,3-Dimethoxybenzidine	119-90-4	150		Pass
S1	3,3-Dimethylbenzidine	119-93-7	150		Pass
S1	4-Aminoazobenzene	60-09-3	150		Pass
S1	4-Aminobiphenyl	92-67-1	150		Pass
S1	4-Chloro-o-toluidine	95-69-2	150		Pass
S1	4-Chloroaniline	106-47-8	150		Pass
S1	2,4-Diaminoanisol	615-05-4	150		Pass
S1	2,4-Toluenediamine	95-80-7	150		Pass
S1	4,4-Methylene-bis-(2-chloroaniline)	101-14-4	150		Pass
S1	4,4-Methylenedi-o-toluidine	838-88-0	150		Pass
S1	4,4-Diaminodiphenylm	101-77-9	150		Pass
S1	4,4-Oxydianiline	101-80-4	150		Pass
S1	4,4-Thiodianiline	139-65-1	150		Pass
S1	2-Amino-4-nitrotoluene	99-55-8	150		Pass
S1	Benzidine	92-87-5	150		Pass
S1	p-Cresidine	120-71-8	150		Pass
S1	o-Aminoazotoluene	97-56-3	150		Pass
S1	o-Anisidine	90-04-0	150		Pass
S1	o-Toluidine	95-53-4	150		Pass
S1	Salt of 2-Naphthylammonium acetate*	553-00-4	150		Pass
S1	Salt of 2,4,5-trimethylaniline hydrochloride*	21436-97-5	150		Pass
S1	Salt of 4-chloro-o-toluidinium chloride*	3165-93-3	150		Pass
S1	Salt of 4-methoxy-m-phenylene diammonium sulphate*	39156-41-7	150		Pass

*Analysed as free ions



Sample	Substance	CAS No.	Limit (mg/kg)	Result (ppm)	Pass/Fail
Dyes – Carcinogenic or Equivalent Concern					
S1	C.I. Direct Black 38	1937-37-7	250		Pass
S1	C.I. Direct Blue 6	2602-46-2	250		Pass
S1	C.I. Acid Red 26	3761-53-3	250		Pass
S1	C.I. Direct Red 28	573-58-0	250		Pass
S1	C.I. Acid Violet 49	1694-09-3	250		Pass
Dyes – Disperse (Sensitising)					
Disperse dyes have no applicability to leather processing.					



Sample	Substance	CAS No.	Limit (mg/kg)	Result (ppm)	Pass/Fail
Flame Retardants					
S1	Octabromodiphenyl ether (OctaBDE)	32536-52-0	250		Pass
S1	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	250		Pass
S1	Tris(2,3,-dibromopropyl)-phosphate (TRIS)	126-72-7	250		Pass
S1	Bis(2,3-dibromopropyl)phosphate (BDBPP)	5412-25-9	250		Pass
S1	Decabromodiphenyl ether (DecaBDE)	1163-19-5	250		Pass
S1	Pentabromodiphenyl ether (PentaBDE)	32534-81-9	250		Pass
S1	Tris(1-aziridinyl)phosphine oxide (TEPA)	545-55-1	250		Pass
S1	Tetrabromobisphenol A (TBBPA)	79-94-7	250		Pass
S1	Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	250		Pass
S1	2,2-bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	250		Pass
S1	Hexabromocyclodecane (HBCDD)	3194-55-6	250		Pass
S1	Decabromobiphenyl (DecaBB)	13654-09-6	250		Pass
S1	Tetrabromobisphenol A bis (2,3-dibromopropylether)	21850-44-2	250		Pass
S1	Heptabromodiphenyl ether (HeptaBDE)	68928-80-3	250		Pass
S1	Dibromobiphenyls (DiBB)	Multiple	250		Pass
S1	Monobromodiphenyl ethers (MonoBDEs)	Multiple	250		Pass
S1	Monobromobiphenyls (MonoBB)	Multiple	250		Pass
S1	Hexabromodiphenyl ether (HexaBDE)	36483-60-0	250		Pass
S1	Nonabromobiphenyls (NonaBB)	Multiple	250		Pass
S1	Nonabromodiphenyl ether (NonaBDE)	63936-56-1	250		Pass
S1	Octabromobiphenyls (OctaBB)	Multiple	250		Pass
S1	Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	250		Pass
S1	Tribromodiphenylethers (TriBDEs)	Multiple	250		Pass
S1	Tris-(2-chloro-1-methylethyl)phosphate (TCPP)	13674-84-5	250		Pass
S1	Tri-o-cresyl phosphate	78-30-8	250		Pass
S1	Trimethyl phosphate	512-56-1	250		Pass
S1	Triethyl phosphate (TXP)	25155-23-1	250		Pass



Sample	Substance	CAS No.	Limit (mg/kg)	Result (ppm)	Pass/Fail
Flame Retardants					
S1	Boric acid	10043-35-3/ 11113-50-1	250	See Total Boron	
S1	Disodium tetraborate, anhydrous	1303-96-4/ 1330-43-4	250		
S1	Disodium octaborate	12008-41-2	250		
S1	Diboron trioxide	1303-86-2	250		
S1	Tetraboron disodium heptaoxide, hydrate	12267-73-1	250		
Glycol Ethers					
S1	Ethylene glycol dimethyl ether	110-71-4	50		Pass
S1	2-methoxyethylacetate	110-49-6	50		Pass
S1	2-ethoxyethanol	110-80-5	50		Pass
S1	2-methoxyethanol	109-86-4	50		Pass
S1	Bis(2-methoxyethyl)-ether	111-96-6	50		Pass
S1	2-ethoxyethyl acetate	111-15-9	50		Pass
S1	2-methoxypropylacetate	70657-70-4	50 1000 (Finishing formulations)		Pass
S1	2-methoxypropanol	1589-47-5	For Information Only		Pass
S1	Triethylene glycol dimethyl ether	112-49-2	50		Pass
Halogenated Solvents					
S1	Methylene chloride	75-09-2	5		Pass
S1	1,2-dichloroethane	107-06-2	5		Pass
S1	Trichloroethylene	79-01-6	40		Pass
S1	Tetrachloroethylene	127-18-4	5		Pass
S1	Benzyl chloride	100-44-7	50 (100 in dyes)		Pass



Sample	Substance	CAS No.	Limit (mg/kg)	Result (ppm)	Pass/Fail
Organotin Compounds					
S1	Dibutyltin (DBT)	Multiple including 683-18-1	20 (100 for polyurethane thickeners)		Pass
S1	Monomethyltin derivatives	Multiple including 993-16-8 753-73-1 1066-45-1	5		Pass
	Dimethyltin derivatives				
	Trimethyltin derivatives				
S1	Mono-octyltin derivatives	Multiple including 3091-25-6 3542-36-7 2587-76-0	5		Pass
	Dioctyltin derivatives				
	Trioctyltin derivatives				
S1	Monophenyltin derivatives	Multiple including 1124-19-2 1135-99-5 639-58-7	5		Pass
	Diphenyltin derivatives				
	Triphenyltin derivatives				
S1	Monobutyltin derivatives	Multiple including 1118-46-3 1461-22-9	5		Pass
	Tributyltin derivatives				
S1	Dipropyltin compounds (DPT)	Multiple including 867-36-7	5		Pass
S1	Tetraethyltin Compounds (TeET)	Multiple including 597-64-8	1		Pass
S1	Tripropyltin Compounds (TPT)	Multiple including 2279-76-7	1		Pass
S1	Tetrabutyltin compounds (TeBT)	Multiple including 1461-25-2	1		Pass
S1	Tetraoctyltin compounds (TeOT)	Multiple including 3590-84-9	1		Pass
S1	Tricyclohexyltin (TCyHT)	Multiple including 3091-32-5	1		Pass



Sample	Substance	CAS No.	Limit (mg/kg)	Result (ppm)	Pass/Fail
Other/Miscellaneous Chemicals					
S1	Borate, zinc salt	1332-07-6	1000	See Total Boron	
S1	Bisphenol A	80-05-7	100		Pass
S1	Thiourea	62-56-6	1000		Pass
S1	Quinoline	91-22-5	1000		Pass
S1	Silica (particles of respirable size)	14464-46-1	No use of Sand Blasting	N/A	-
S1	AEEA [2-(2-aminoethylamino)ethanol]	111-41-1	100		Pass
S1	(Free) Aniline	62-53-3	Indigo 2000 Other dyes 500		Pass
S1	D4 (Octamethylcyclotetrasiloxane)	556-67-2	1000		Pass
S1	D5 (Decamethylcyclopentasiloxane)	541-02-6	1000		Pass
S1	D6 (Dodecamethylcyclohexasiloxane)	540-97-6	1000		Pass
S1	Diazene-1,2-dicarboxamide {C,C'-azodi(formamide)}(ADCA)	123-77-3	1000		Pass
S1	Perboric acid, sodium salt	Multiple Including 11138-47-9 15120-21-5 7632-04-04 16940-66-2 13157-20-9 125022-34-6 90568-23-3	1000		Pass
S1	Titanium Dioxide*	13463-67-7	1% (w/w) of TiO ₂ particles have aerodynamic diameter ≤ 10 μm. (Liquid mixtures or emulsions or pastes containing TiO ₂ , having proper GHS/CLP classification, are allowed for use.)		Pass

*Reported results are theoretical values based on the total titanium concentration in the sample



Sample	Substance	CAS No.	Limit (µg/kg)	Result (ppm)	Pass/Fail
Perfluorinated and Polyfluorinated Chemicals (PFAS)					
S1	Perfluorobutane sulfonic acid (PFBS)	375-73-5	1000		Pass
S1	Perfluorohexane sulfonic acid (PFHxS)	355-46-4	1000		Pass
S1	Perfluorooctane sulfonic acid (PFOS) and related substances	Multiple including 1763-23-1	Sum = 2000		Pass
S1	Perfluorodecane sulfonic acid (PFDS)	335-77-3	1000		Pass
S1	Perfluorobutanoic acid (PFBA)	375-22-4	1000		Pass
S1	Perfluorohexanoic acid (PFHxA) and related substances	Multiple including 307-24-4	PFHxA = 25 PFHxA-related substances = 1000		Pass
S1	Perfluorooctanoic acid (PFOA) and related substances	Multiple including 335-67-1	PFOA = 25 PFOA-related substances = 1000		Pass
S1	Perfluorodecanoic acid (PFDA)	335-76-2	1000		Pass
S1	4:2 Fluorotelomer alcohols (4:2 FTOH)	2043-47-2	1000		Pass
S1	6:2 Fluorotelomer alcohols (6:2 FTOH)	647-42-7	1000		Pass
S1	8:2 Fluorotelomer alcohols (8:2 FTOH)	678-39-7	1000		Pass
S1	10:2 Fluorotelomer alcohols (10:2 FTOH)	865-86-1	1000		Pass



Sample	Substance	CAS No.	Limit (mg/kg)	Result (ppm)	Pass/Fail
Phthalates – Including All Other Esters of Ortho-phthalic Acid					
S1	Di-n-octyl phthalate (DNOP)	117-84-0	Sum of all phthalates = 250		Pass
	Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8			
	Di-iso-decyl phthalate (DIDP)	26761-40-0			
	Di(ethylhexyl) phthalate (DEHP)	117-81-7			
	Di-iso-nonyl phthalate (DINP)	28553-12-0			
	Di-n-hexyl phthalate (DnHP)	84-75-3			
	Butyl benzyl phthalate (BBP)	85-68-7			
	Dibutyl phthalate (DBP)	84-74-2			
	Dinonyl phthalate (DNP)	84-76-4			
	Diethyl phthalate (DEP)	84-66-2			
	Di-n-propyl phthalate (DPRP)	131-16-8			
	Dicyclohexyl phthalate (DCHP)	84-61-7			
	Di-isobutyl phthalate (DIBP)	84-69-5			
	Di-iso-octyl phthalate (DIOP)	27554-26-3			
	Dilsohexyl phthalate	71850-09-4			
	n-Pentyl-isopentyl phthalate	776297-69-9			
	1,2-benzenedicarboxylic acid, di-C7-11-branched and linearalkyl esters (DHNUP)	68515-42-4			
	1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6			
	1,2-benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4			
	1,2-benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0			
Di-iso-pentylphthalates (DIPP)	605-50-5				
Di-n-pentyl phthalates (DnPP)	131-18-0				



Sample	Substance	CAS No.	Limit (mg/kg)	Result (ppm)	Pass/Fail
Polycyclic Aromatic Hydrocarbons (PAHs)					
S1	Benzo[a]pyrene (BaP)	50-32-8	20		Pass
	Pyrene	129-00-0	Sum= 200		Pass
	Benzo[ghi]perylene	191-24-2			
	Benzo[j]fluoranthene	205-82-3			
	Anthracene	120-12-7			
	Indeno[1,2,3-cd]pyrene	193-39-5			
	Benzo[e]pyrene	192-97-2			
	Benzo[b]fluoranthene	205-99-2			
	Benzo[k]fluoranthene	207-08-9			
	Fluoranthene	206-44-0			
	Acenaphthylene	208-96-8			
	Dibenz[a,h]anthracene	53-70-3			
	Chrysene	218-01-9			
	Phenanthrene	85-01-8			
	Acenaphthene	83-32-9			
	Benzo[a]anthracene	56-55-3			
	Fluorene	86-73-7			
Naphthalene	91-20-3	200		Pass	



Sample	Substance	CAS No.	Limit (mg/kg)	Result (ppm)	Pass/Fail
Total Heavy Metals					
S1	Arsenic (As)	7440-38-2	50		Pass
S1	Cadmium (Cd)	7440-43-9	20 (50 for pigments)		Pass
S1	Mercury (Hg)	7439-97-6	4 (25 for pigments)		Pass
S1	Lead (Pb)	7439-92-1	100		Pass
S1	Chromium (VI)	18540-29-9	10		Pass
S1	Antimony (Sb)	7440-36-0	Dyes 50 Pigments 250		Pass
S1	Chromium (Cr)	7440-47-3	Dyes and Pigments 100		Pass
S1	Barium (Ba)	7440-39-3	Dyes and Pigments 100		Pass
S1	Selenium (Se)	7782-49-2	Dyes 20 Pigments 100		Pass
S1	Tin (Sn)	7440-31-5	Dyes 250		Pass
S1	Nickel (Ni)	7440-02-0	Dyes 250		Pass
S1	Copper (Cu)	7440-50-8	Dyes 250		Pass
S1	Cobalt (Co)	7440-48-4	Dyes 500		Pass
S1	Silver (Ag)	7440-22-4	Dyes 100		Pass
UV Absorbers					
S1	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350)	36437-37-3	1000		Pass
S1	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	1000		Pass
S1	2,4-Di-tert-butyl-6-(5-chlorobenzotriazole-2-yl) phenol (UV-327)	3864-99-1	1000		Pass
S1	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	1000		Pass



Sample	Substance	CAS No.	Limit (mg/kg)	Result (ppm)	Pass/Fail
Organic Solvents					
S1	Benzene	71-43-2	50		Pass
S1	Cresol (All isomers)	1319-77-3	500		
S1	o-cresol	95-48-7	500		Pass
S1	p-cresol	106-44-5	500		Pass
S1	m-cresol	108-39-4	500		Pass
S1	Xylene (all isomers)	1330-20-7	500		Pass
S1	o-Xylene	95-47-6	500		Pass
S1	m-Xylene	108-38-3	500		Pass
S1	p-Xylene	106-42-3	500		Pass
S1	N,N-dimethylacetamide (DMAC)	127-19-5	1000		Pass
S1	N,N-dimethylformamide (DMFa)	68-12-2	1000		Pass
S1	N-Ethyl-2 pyrrolidone (NEP)	2687-91-4	1000		Pass
S1	N-Methyl-2-Pyrrolidone (NMP)	872-50-4	1000		Pass
S1	Toluene	108-88-3	500		Pass

Total Boron						
Sample	Sample Category and Analysis	Substance	CAS No.	Limit (mg/kg)	Result (ppm)	Pass/Fail
Flame Retardants						
S1	Boron (B) Total content by ICP-MS	Boric acid*	10043-35-3/ 11113-50-1	250		Pass
S1		Disodium tetraborate, anhydrous*	1303-96-4/ 1330-43-4	250		Pass
S1		Disodium octaborate*	12008-41-2	250		Pass
S1		Diboron trioxide*	1303-86-2	250		Pass
S1		Tetraboron disodium heptaoxide, hydrate*	12267-73-1	250		Pass
Other/ Miscellaneous						
S1	Boron (B) Total content by ICP-MS	Borate, zinc salt*	12767-90-7	1000		Pass

*Reported results are theoretical values based on the total boron concentration in the sample.



METHOD(S) USED FOR ANALYSIS

Test	Method
Total Heavy Metals, Titanium Dioxide, Flame Retardants, Borate Zinc Salt and Perboric Acid	CMAP002 - A
	CMAP002 - B
Organotins	CMAP003
Restricted Aromatic Amines (Cleavable from Azo-colourants)	ISO 14362-1:2017/CMAP004
Flame Retardants	CMAP005
Anti-microbials and Biocides, Glycol Ethers and Organic Solvents	CMAP006
Halogenated Solvents, Organic Solvents and Glycols	CMAP007
Chlorobenzenes, Chlorotoluenes, Organic Solvents, Halogen Solvents, Free Aniline, Cyclic Siloxanes - D4, D5, D6, Quinoline, UV Absorbers and PFAS	CMAP008
Chloroparaffins	CMAP009
Polycyclic Aromatic Hydrocarbons (PAHs)	CMAP010
Water Soluble Disperse Dyes, Flame Retardants and Thiourea	CMAP011
AEEA	CMAP012
Alkylphenol Ethoxylates (APEO), Alkylphenol (AP) and Phthalates – including all other esters of ortho-phthalic acid	CMAP013
Chlorophenols	CMAP014
PFAS	CMAP015
Carcinogenic or Equivalent Concern and Dyes – Disperse (Sensitising), BPA and Flame Retardants	CMAP016
Flame Retardants, Anti-microbials and Biocides	CMAP017
ADCA	CMAP019



STANDARD TECHNICAL NOTES

(all may not be applicable)

Terms and Conditions	Our Terms and Conditions of Testing can be found at www.blcleathertech.com
†	Tests within the scope of accreditation
SC	Test performed by a competent, Eurofins BLC approved partner laboratory
I/S	Insufficient Sample was submitted to perform the test
Opinions	Any opinions and interpretations expressed in this test report are based on current knowledge and experience and fall outside of the scope of ISO 17025 accreditation
Sample disposal	Stable samples will be disposed of after 6 weeks unless otherwise instructed. All other samples will be disposed of on completion of testing
Conditioning	Where necessary, the sample was conditioned and tested at $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and $50\% \pm 5\%$ RH as specified in the reference standard atmosphere requirements of BS EN ISO 2419:2012 (leather) or in the alternative specific standard atmosphere requirements of BS EN ISO 139:2005 + A1:2011 (textile).
ND	None Detected (detection limits are included with the test results)
N/S	Not Scrapable (refers to the finish, meaning it cannot be removed for testing)
GC-MS	Gas Chromatography with Mass Spectroscopy
LC-MS	Liquid Chromatography with Mass Spectroscopy
ICP-MS	Induction Coupled Plasma with Mass Spectroscopy
HPLC	High Performance Liquid Chromatography
Composite analysis	If the result multiplied by the number of composited samples exceeds the requirement, then testing of the individual samples may be performed or recommended.
Azo dyes analysis	Accreditation excludes: 2,4 – Diaminoanisole
BWS	Blue Wool Scale (used for measuring exposure in the UV light fading test)
GSR	Grey scale rating. Used to express degree of staining and/or colour change. GSR 5 = no colour change / no staining; GSR 1 = maximum colour change / maximum staining. Visual assessment of GSR is subjective and associated with an uncertainty of \pm half a Grey scale unit. This should be taken into account when determining compliance with a specification. Grey scale results are assessed visually. Multifibre adjacent fabric complies with ISO 105-F10.
Crockmeter – Textile	Testing carried out at $23 \pm 2^{\circ}\text{C}$ and $50\% \pm 5\%$ rh. A 16mm rubbing finger with a $9 \pm 0.2\text{N}$ was used. For wet testing a 95-100% level of soak is achieved for the cotton.
BS EN ISO 11644	Test uses a single-component cyanoacrylate adhesive. Where possible four samples are tested and taken from the official sampling position (if known).
Chemical Analysis	Certain tests such as: Phthalates, Carcinogenic dyes, Allergenic disperse dyes, PAHs, Azo dyes, Organotins, Nitrosamines and Pesticides have multiple elements tested. For a full list of chemicals tested within these analyses please refer to the specification cited within this report. For further information contact info@blcleathertech.com

