



**CHEMICAL SAFETY REQUIREMENTS for: RAW MATERIALS AND FINISHED PRODUCTS**  
*Versace Apparel & Accessories*

Rev 0\_13/03/2017  
RAW MATERIALS: Fabric, Leather, Metals, Plastic  
FINISHED PRODUCTS: Bags, SLG, Shoes, RTW, Bijoux, Home

# GIANNI VERSACE SPA

# CHEMICAL SAFETY SPECIFICATIONS

# RSL

## RAW MATERIALS AND FINISHED PRODUCTS

## Introduction

We inform you about Gianni Versace S.p.A. choice to apply some conduct rules with respect to the management system and the monitoring operations over the production and delivery processes; for this purpose, it has been adopted an Ethical Code, containing the milestones for the conduct rules which the employees/consultants/suppliers/clients of Gianni Versace S.p.A. are asked to respect in relation to the Company.

Furthermore, Gianni Versace S.p.A. endowed with specific control protocols for the supply chain, taking into account a monitoring processes plan.

Gianni Versace S.p.A. expects all its partners to respect the new technical specifications about the chemical safety (RLS) you will find in the attachment, both during the raw materials procurement and during the manufacturing of finished products, (apparel and accessories, shoes included); please, accept the content of the attachment, by sending it back to us with signature, according to the type of supply provided (textile, leather, metals, or plastic/rubber components or finished products).

Specifically, Gianni Versace S.p.A. expects its suppliers to guarantee that raw materials (textile, leather, metals, or plastic/rubber components), directly purchased and used for the finished products manufacturing, comply with the technical specifications aimed at chemical safety, herein reported.

Suppliers of finished products are not responsible for the conformity of the raw materials (textile, leather, metals, or plastic/rubber components) that are supplied by Gianni Versace S.p.A..

For an easy consultation, a summary table is reported hereafter. It contains the application fields for all requirements: for more details, please refer to the related technical specification for each material/substance's typology.



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	FABRIC	LEATHER	METALS	PLASTIC AND OTHER POLYMERIC MATERIALS
Ph	X	X		
Azodyes – Aromatic Amines	X	X		
Formaldehyde	X	X		X
Chlorophenols	X	X		
Heavy Metals (Total content)	X	X	X	X (Only lead and cadmium)
Heavy Metals (Extractable)	X	X	X (Nickel – Release)	
Phthalates	X	X		X
Organotins Compounds	X	X		X
Dimethylfumarate	X	X		
Ortophenilphenol	X	X		
Alchilphenols / Alchilphenols Etoxylated	X	X		
Flame retardants	X	X		
PFC Ionic and Volatile	X	X		
Chlorinated paraffins	X	X		X
Chlorinated benzenes and toluenes and other Chlorinated solvent	X	X		X
Allergenic and Carcinogenic dyes	X	X		
Polycyclic Aromatic Hydrocarbons (PAHs)	X	X		X
Other solvents	X	X		X
Nitrosamines				X
Vinyl chloride monomer				X



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**FABRIC**

N.	REQUIREMENT	SUBSTANCE	ABBREVIATION	CAS N°	LIMIT	TEST METHOD
1	pH (aqueous extract)				4÷7,5	ISO 3071 GB/T 7573
2	AZODYES - Restricted Aromatic Amines which can be released from Azo Dyes	4-Aminodiphenyl		92-67-1	≤ 20 mg/kg	ISO/DIS 14362-1 e -3 GB/T 17592.1 and GB/T 23344
		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-Diaminoaniline		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-Toluediamine		95-80-7		
		2,4,5-Trimethylaniline		137-17-7		
o-Anisidine		90-04-0				
4-Amino azobenzene		60-09-3				
2,6- Xylidine		87-62-7				
2,4- Xylidine		95-68-1				



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3	Formaldehyde	Formaldehyde		50-00-0	<75 mg/kg	ISO 14184-1 GB/T 2912.1
4	Chlorophenols	Pentachlorophenol	PCP	87-86-5	≤ 0,05 mg/kg	LFGB B 82.02.8
		2,3,4,6 Tetrachlorophenol	TeCP	58-90-2		
		2,3,4,5 Tetrachlorophenol		4901-51-3		
		2,3,5,6 Tetrachlorophenol		935-95-5		
		2,3,4 Trichlorophenol	TriCP	15950-66-0		
		2,4,6 Trichlorophenol		88-06-2		
		2,3,5 Trichlorophenol		933-78-8		
		2,3,6 Trichlorophenol		933-75-5		
		2,4,5 Trichlorophenol		95-95-4		
		3,4,5 Trichlorophenol		609-19-8		
5	Heavy Metals Total content	Lead	Pb	7439-92-1	≤ 40 mg/kg	CPSC-CH-E1003-09.3 (surface coating) CPSC-CH-E1001-08.1 /CPSC CH E1002-08.1 CPSC-CH-E1002-08.3 (substrate)  EN 16711-1
		Cadmium	Cd	7440-43-9	≤ 10 mg/kg	
		Arsenic	As	7440-38-2	Not detectable ≤ 1 mg/kg	
		Mercury	Hg	7439-97-6	Not detectable ≤ 1 mg/kg	



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6	<b>Heavy Metals Extractable</b>	Cadmium	Cd	7440-38-2	≤ 0,1 mg/Kg	EN 16711-2
		Lead	Pb	7439-92-1	≤ 1 mg/Kg	
		Arsenic	As	7440-38-2	≤ 0,2 mg/Kg	
		Antimony	Sb	7440-36-0	≤ 30 mg/Kg	
		Chromium	Cr	7440-47-3	≤ 2 mg/Kg	
		Chromium VI	CrVI	18540-29-9	< 0,5 mg/Kg	Extraction with alkaline solution (ref. ISO 105 E04 - UV determination)
		Cobalt	Co	7440-48-4	≤ 1 mg/Kg	EN 16711-2
		Copper	Cu	7440-50-8	≤ 50 mg/Kg	
		Mercury	Hg	7439-97-6	≤ 0,02 mg/Kg	
		Nickel	Ni	7440-02-0	≤ 4 mg/Kg	
7	<b>Phthalates</b>	Benzyl Butyl phthalate	BBP	85-68-7	≤50 mg/kg	CPSC-CH-C1001-09.3
		Di (2-ethylhexyl) phthalate	DEHP	117-81-7		
		Diisobutylphthalate	DIBP	84-69-5		
		Di-n-butyl phthalate	DBP	84-74-2		
		Di-isononyl phthalate	DINP	28553-12-0		
		Di-n-octyl phthalate	DNOP	117-84-0	Sum ≤500 mg/kg	
		Di-n-hexyl phthalate	DnHP	84-75-3		
		Di-isodecylphthalate	DIDP	26761-40-0		



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		1,2-Benzenedicarboxylic acid, di-C6-8-branched alkylesters, C7-rich	DIHP	71888-89-6	(continue) Sum ≤500 mg/kg	(continue) CPSC-CH-C1001-09.3
		1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	DHNUP	68515-42-4		
		Bis(2-methoxyethyl)phthalate	DMEP	117-82-8		
		Diisopentylphthalate	DIPP	605-50-5		
		N-pentylisopentylphthalate	nPIPP	776297-69-9		
		Di-n-pentyl phthalate	DnPP	131-18-0		
		1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	DPP	84777-06-0		
		Dimethyl phthalate	DMP	131-11-3		
		Diethylphthalate	DEP	84-66-2		
		Di-iso-octylphthalate	DIOP	27554-26-3		
		Di-nonylphthalate	DNP	84-76-4		
		Di-n-propylphthalate	DprP	131-16-8		
		Di-cyclo-hexylphthalate	DCHP	84-61-7		
		Di-hexylphthalate	DHXP	68515-50-4		
8	<b>Organotins Compounds</b>	Dibutyltin	DBT	1002-53-5	Not detectable (≤ 0.1 mg/kg)	ISO/TS 16179
		Dioctyltin	DOT	15231-44-4		
		Tributyltin	TBT	56573-85-4		
		Triphenyltin	TPhT	668-34-8		



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9	Dimethylfumarate		DMFu	624-49-7	Usage is forbidden Not detectable (≤0,1 mg/kg)	ISO/TS 16186
10	Ortophenilphenol	2-phenylphenol	OPP	90-43-7	≤ 50 mg/kg	LFGB B 82.02.8
11	Alchilphenols Alchilphenols Etoxylated	Nonylphenol	NP	25154-52-3	Sum ≤ 100 mg/kg	NP, OP: ISO 18857-1 NPEO, OPEO: ISO FDIS 18254
		Etoxylated Nonylphenol	NPEO	9016-45-9 e vari		
		Octylphenol	OP	1806-26-4		
		Etoxylated Octylphenol	OPEO	9000-93-1 e vari		
12	Flame Retardants	Penta-bromodiphenyl ether	pentaBDE	32534-81-9	Not detectable (≤5 mg/kg)	GB/T 24279
		Octa-bromodiphenyl ether	octaBDE	32536-52-0		
		Decabromodiphenyl ether	DecaBDE	1163-19-5		
		Tris (1-aziridinyl)-phosphine oxide	TEPA	545-55-1		
		Tris (2,3-dibromopropyl) phosphate	TRIS	126-72-7		
		Polybrominatedbiphenyls	PBB	59536-65-1		
		Tris(2-chloroethyl)phosphate	TCEP	115-96-8		
		Hexabromocyclododecane	HBCDD	3194-55-6		
		Bis(2,3-dibromopropyl ether) of tetrabromobisphenol		21850-44-2		
		Tris(1,3-dichloro-2-propyl) phosphate	TDCPP	13674-87-8		
		Tris(2-chloro-1-methylethyl) phosphate	TCPP	13674-87-5		
		2-Ethylhexyl-2,3,4,5-tetrabromobenzoate	TBB	183658-27-7		
		Bis(2-Ethylexyl)-3,4,5,6-tetrabromophthalate	TBPH	26040-51-7		





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13	PFCs IONIC (PFOS, PFOA..)	Perfluorooctane sulfonates	PFOS	1763-23-1	≤1 µg/m <sup>2</sup>	CEN/TS 15968
		Perfluorooctanic acid	PFOA	335-67-1	≤1 µg/m <sup>2</sup>	
		Altri PFCs ionici: Perfluorobutane sulfonate (PFBS), perfluorohexane sulfonate (PFHxS), perfluoroheptane sulfonate (PFHpS), perfluorooctane sulfonate (PFOS), perfluorodecane sulfonate (PFDS), perfluorobutanoate (PFBA), perfluoropentanoate (PFPA), perfluorohexanoate (PFHxA), perfluoroheptanoate (PFHpA), perfluorooctanoate (PFOA), perfluorononanoate (PFNA), perfluorodecanoate (PFDA), perfluoroundecanoate (PFUnA), perfluorododecanoate (PFDoA), perfluorotridecanoate (PFTrA), perfluorotetradecanoate (PFTeA), perfluorooctane sulfonamide (PFOSA), perfluoro-3,7-dimethyloctanoate (PF-3,7-DMOA), 7H-dodecafluoroheptanoate (HPFHpA), 2H,2H-perfluorodecanoate (H2PFDA), 2H,2H,3H,3H-perfluoroundecanoate (H4PFUnA)		Vari	≤1 µg/m <sup>2</sup>	CEN/TS 15968 or Solvent extraction, LC-MS analysis
14	PFCs VOLATILE	1H,1H,2H,2H-perfluorooctylacrylate (6:2 FTA), 1H,1H,2H,2H-perfluorodecylacrylate (8:2 FTA), 1H,1H,2H,2H-perfluorododecylacrylate (10:2 FTA), 1H,1H,2H,2H-perfluoro-1-hexanol (4:2 FTOH), 1H,1H,2H,2H-perfluoro-1-oktanol (6:2 FTOH), 1H,1H,2H,2H-perfluoro-1-decanol (8:2 FTOH), 1H,1H,2H,2H-perfluoro-1-dodecanol (10:2 FTOH), 2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (MeFOSE), 2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (EtFOSE), N-methylperfluoro-1-octanesulfonamide (MeFOSA), N-ethylperfluoro-1-octanesulfonamide (EtFOSA)		Vari	≤1 µg/m <sup>2</sup> ≤10 µg/m <sup>2</sup> For 8:2 FTOH 10:2 FTOH 4:2 FTOH 6:2 FTOH	
15	Chlorinated paraffins (C10-C13)	SCCPs: C10-C13	SCCP	85535-84-8	Not detectable (≤50 mg/kg)	Extraction in solvent GC-MS / LC-MS-MS



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16	<b>Chlorinated benzenes and toluenes and other Chlorinated solvent</b>	<b>Chlorinated benzenes and toluenes</b> Monochlorobenzene, Chlorobenzene 1,2-Dichlorobenzene 1,3- Dichlorobenzene 1,4-Dichlorobenzene 1,2,3- Trichlorobenzene 1,2,4-Trichlorobenzene 1,3,5- Trichlorobenzene 1,2,3,4- Tetrachlorobenzene 1,2,3,5-Tetraclorobenzene 1,2,4,5 Tetraclorobenzene Pentachlorobenzene Hexachlorobenzene 2-Chlorotoluene, 3- Chlorotoluene 4-Chlorotoluene 2,3- Dichlorotoluenes 2,4-Dichlorotoluene 2,5- Dichlorotoluene 2,6-Dichlorotoluene 3,4- Dichlorotoluene 2,3,6-Trichlorotoluene 2,4,5- Trichlorotoluene Pentachlorotoluene Tetrachlorotoluene		108-90-7; 541-73-1; 106-46-7; 95-50-1;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 95-73-8; 19398-61-9; 118-69-4; 32768-54-0; 95-75-0; 2077-46-5; 98-07-7; 2136-89-2; 5216-25-1; 81-19-6; 877-11-2	Sum ≤1 mg/kg	DIN 54232
		<b>Other Chlorinated Solvents</b> Pentachloroethane, Carbon Tetrachloride, 1,1,1-Trichloroethane, 1,1,1,2- Tetrachloroethane, 1,1,2,2- Tetrachloroethane, Chloroform, 1,1,2-Trichloroethane, 1,1-Dicloroetilene, Tricloroetilene, Tetrachloromethane		76-01-7; 71-55-6; 630 -20-6; 79-34-5; 67-66-3 79-00-5; 75-35-4; 79-01-6; 56-23-5	Sum ≤500 mg/kg	Extraction with solvent/ GC-MS
17	<b>Allergenic dyes</b>	C.I. Disperse Blue 1		2475-45-8	≤50 mg/kg	DIN 54231
		C.I. Disperse Blue 3		2475-46-9		
		C.I. Disperse Blue 7		3179-90-6		
		C.I. Disperse Blue 26		3860-63-7		
		C.I. Disperse Blue 35		12222-75-2		
		C.I. Disperse Blue 102		12222-97-8		
		C.I. Disperse Blue 106		12223-01-7		
		C.I. Disperse Blue 124		61951-51-7		
		C.I. Disperse Brown 1		23355-64-8		
		C.I. Disperse Orange 1		2581-69-3		



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		C.I. Disperse Orange 3		730-40-5	(continue) ≤50 mg/kg	(continue) DIN 54231
		C.I. Disperse Orange 37/59		12223-33-5		
		C.I. Disperse Orange 76		13301-61-6		
		C.I. Disperse Red 1		2872-52-8		
		C.I. Disperse Red 11		2872-48-2		
		C.I. Disperse Red 17		3179-89-3		
		C.I. Disperse Yellow 1		119-15-3		
		C.I. Disperse Yellow 3		2832-40-8		
		C.I. Disperse Yellow 9		6373-73-5		
		C.I. Disperse Yellow 39		12236-29-2		
		C.I. Disperse Yellow 49		54824-37-2		
		C.I. Disperse Yellow 23		6250-23-3		
18	Carcinogenic Dyes	Disperse Blue 1		2475-45-8	Not detectable (≤5 mg/kg)	DIN 54231
		Disperse Orange 11		82-28-0		
		Disperse Yellow 3		2832-40-8		
		Basic Red 9		569-61-9		
		Basic Violet 14		632-99-5		
		Acid Red 26		3761-53-3		
		Direct Black 38		1937-37-7		



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		Direct Red 28		573-58-0	(continue) Not detectable (≤5 mg/kg)	(continue) DIN 54231
		Direct Blue 6		2602-46-2		
		Disperse Orange 149		151126-94-2, 85136-74-9		
		Basic Blue 26		2580-56-5		
		Basic Violet 3		548-62-9		
19	<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>	Benzo(a)pyrene	BaP	50-32-8	Each ≤1 mg/kg (except for naphthalene ≤2 mg/kg)  Sum ≤10 mg/kg	AFPS GS 2014:01 PAK
		Benzo(a)anthracene	BaA	56-55-3		
		Benzo(b)fluoranthene	BbF	205-99-2		
		Benzo(e)pyrene	BeP	192-97-2		
		Benzo(j)fluoranthene	BjF	205-82-3		
		Benzo(k)fluoranthene	BkF	207-08-9		
		Chrysene	CHR	218-01-9		
		Dibenzo(a, h)anthracene	DBA	53-70-3		
		Benzo(g,h,i)perylene		191-24-2		
		Indeno(1,2,3-cd)pyrene		193-39-5		
		Acenaphthene		83-32-9		
		Acenaphthylene		208-96-8		
		Anthracene		120-12-7		
		Fluoranthene		206-44-0		



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		Fluorene		86-73-7	(continue)  Each ≤1 mg/kg (except for naphthalene ≤2 mg/kg)  Sum ≤10 mg/kg	(continue)  AFPS GS 2014:01 PAK
		Phenanthrene		85-01-8		
		Pyrene		129-00-0		
		Naphtalene		91-20-3		
20	Other Solvents	N,N-Dimethylacetamide	DMAC	127-19-5	Not detectable (≤0,1 mg/kg)	Extraction in solvent GC-MS; HS-GC
		N,N-Dimethylformamide	DMF	68-12-2	Not detectable (≤0,1 mg/kg)	Extraction in solvent GC-MS; HS-GC ISO TS 16189
		1-Methyl-2-Pyrrolidone	NMP	872-50-4	Not detectable (≤0,1 mg/kg)	Extraction in solvent GC-MS; HS-GC



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# LEATHER

N.	REQUIREMENT	SUBSTANCE	ABBREVIATION	CAS N°	LIMIT	TEST METHOD
1	pH (aqueous extract)				3,5÷7,5 Leather with organic tanning: eg. (vegetable) pH: 3,2÷7,5 ΔpH ≤ 0,7	ISO 4045
2	AZODYES - Restricted Aromatic Amines which can be released from Azo Dyes	4-Aminodiphenyl		92-67-1	≤ 30 mg/kg	ISO 17234-1 and 2 GB/T 19942
		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-Toluenediamine		95-80-7		
		2,4,5-Trimethylaniline		137-17-7		
o-Anisidine		90-04-0				
4-Amino azobenzene		60-09-3				
2,6- Xylidine		87-62-7				
2,4- Xylidine		95-68-1				



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CHEMICAL SAFETY REQUIREMENTS for: RAW MATERIALS AND FINISHED PRODUCTS

Versace Apparel & Accessories

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RAW MATERIALS: Fabric, Leather, Metals, Plastic

FINISHED PRODUCTS: Bags, SLG, Shoes, RTW, Bijoux, Home

N.	REQUIREMENT	SUBSTANCE	ABBREVIATION	CAS N°	LIMIT	TEST METHOD
3	Formaldehyde	Formaldehyde		50-00-0	<75 mg/kg	ISO 17226-1 GB/T 19941
4	Chlorophenols	Pentachlorophenol	PCP	87-86-5	≤ 0,5 mg/kg	EN-ISO 17070
		2,3,4,6 Tetrachlorophenol	TeCP	58-90-2		
		2,3,4,5 Tetrachlorophenol		4901-51-3		
		2,3,5,6 Tetrachlorophenol		935-95-5		
		2,3,4 Trichlorophenol	TriCP	15950-66-0		
		2,4,6 Trichlorophenol		88-06-2		
		2,3,5 Trichlorophenol		933-78-8		
		2,3,6 Trichlorophenol		933-75-5		
		2,4,5 Trichlorophenol		95-95-4		
		3,4,5 Trichlorophenol		609-19-8		
5	Heavy metals Total contents	Lead	Pb	7439-92-1	≤ 40 mg/kg	EN ISO 17072-2
		Cadmium	Cd	7440-43-9	≤ 10 mg/kg	
		Arsenic	As	7440-38-2	Not detectable ≤ 1 mg/kg	
		Mercury	Hg	7439-97-6	Not detectable ≤ 1 mg/kg	



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N.	REQUIREMENT	SUBSTANCE	ABBREVIATION	CAS N°	LIMIT	TEST METHOD
6	<b>Heavy metals Extractable</b>	Cadmium	Cd	7440-38-2	≤ 0,1 mg/Kg	ISO 17072-1
		Lead	Pb	7439-92-1	≤ 0,8 mg/Kg	
		Arsenic	As	7440-38-2	≤ 0,2 mg/Kg	
		Antimony	Sb	7440-36-0	≤ 30 mg/Kg	
		Chromium	Cr	7440-47-3	≤ 2 mg/Kg	
		Chromium VI	CrVI	18540-29-9	< 3 mg/Kg	ISO 17075
		Cobalt	Co	7440-48-4	≤ 1 mg/Kg	ISO 17072-1
		Copper	Cu	7440-50-8	≤ 50 mg/Kg	
		Mercury	Hg	7439-97-6	≤ 0,05 mg/Kg	
		Nickel	Ni	7440-02-0	≤ 4 mg/Kg	
7	<b>Phtalates</b>	Benzyl Butyl phthalate	BBP	85-68-7	≤50 mg/kg	CPSC-CH-C1001-09.3
		Di (2-ethylhexyl) phthalate	DEHP	117-81-7		
		Diisobutylphthalate	DIBP	84-69-5		
		Di-n-butyl phthalate	DBP	84-74-2		
		Di-isononyl phthalate	DINP	28553-12-0		
		Di-n-octyl phthalate	DNOP	117-84-0	Sum ≤500 mg/kg	
		Di-n-hexyl phthalate	DnHP	84-75-3		
		Di-isodecylphthalate	DIDP	26761-40-0		





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N.	REQUIREMENT	SUBSTANCE	ABBREVIATION	CAS N°	LIMIT	TEST METHOD
		1,2-Benzenedicarboxylic acid, di-C6-8-branched alkylesters, C7-rich	DIHP	71888-89-6	(continue) Sum ≤500 mg/kg	(continue) CPSC-CH-C1001-09.3
		1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	DHNUP	68515-42-4		
		Bis(2-methoxyethyl)phthalate	DMEP	117-82-8		
		Diisopentylphthalate	DIPP	605-50-5		
		N-pentylisopentylphthalate	nPIPP	776297-69-9		
		Di-n-pentyl phthalate	DnPP	131-18-0		
		1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	DPP	84777-06-0		
		Dimethyl phthalate	DMP	131-11-3		
		Diethylphthalate	DEP	84-66-2		
		Di-iso-octylphthalate	DIOP	27554-26-3		
		Di-nonylphthalate	DNP	84-76-4		
		Di-n-propylphthalate	DprP	131-16-8		
		Di-cyclo-hexylphthalate	DCHP	84-61-7		
		Di-hexylphthalate	DHXP	68515-50-4		
8	Organotins Compounds	Dibutyltin	DBT	1002-53-5	Not detectable (≤ 0.1 mg/kg)	ISO/TS 16179
		Dioctyltin	DOT	15231-44-4		
		Tributyltin	TBT	56573-85-4		
		Triphenyltin	TPhT	668-34-8		



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N.	REQUIREMENT	SUBSTANCE	ABBREVIATION	CAS N°	LIMIT	TEST METHOD
9	Dimethylfumarate		DMFu	624-49-7	Usage is forbidden Not detectable (≤0,1 mg/kg)	ISO/TS 16186
10	Ortophenilphenol	2-phenylphenol	OPP	90-43-7	≤ 50 mg/kg	LFGB B 82.02.8
11	Alchilphenols Alchilphenols Etoxylyated	Nonylphenol	NP	25154-52-3	Sum ≤ 100 mg/kg	NP, OP: ISO 18857-1 or ISO DIS 18218-2 NPEO, OPEO: ISO DIS 18218-1
		Etoxylyated Nonylphenol	NPEO	9016-45-9 e vari		
		Octylphenol	OP	1806-26-4		
		Etoxylyated Octylphenol	OPEO	9000-93-1 e vari		
12	Flame retardants	Penta-bromodiphenyl ether	pentaBDE	32534-81-9	Not detectable (≤5 mg/kg)	GB/T 24279
		Octa-bromodiphenyl ether	octaBDE	32536-52-0		
		Decabromodiphenyl ether	DecaBDE	1163-19-5		
		Tris (1-aziridinyl)-phosphine oxide	TEPA	545-55-1		
		Tris (2,3-dibromopropyl) phosphate	TRIS	126-72-7		
		Polybrominatedbiphenyls	PBB	59536-65-1		
		Tris(2-chloroethyl)phosphate	TCEP	115-96-8		
		Hexabromocyclododecane	HBCDD	3194-55-6		
		Bis(2,3-dibromopropyl ether) of tetrabromobisphenol		21850-44-2		
		Tris(1,3-dichloro-2-propyl) phosphate	TDCPP	13674-87-8		
		Tris(2-chloro-1-methylethyl) phosphate	TCPP	13674-87-5		
		2-Ethylhexyl-2,3,4,5-tetrabromobenzoate	TBB	183658-27-7		
		Bis(2-Ethylexyl)-3,4,5,6-tetrabromophthalate	TBPH	26040-51-7		



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N.	N.	REQUIREMENT	SUBSTANCE	ABBREVIATION	CAS N°	LIMIT
13	PFCs IONIC (PFOS, PFOA..)	Perfluorooctane sulfonates	PFOS	1763-23-1	≤1 µg/m <sup>2</sup>	CEN/TS 15968
		Perfluorooctanic acid	PFOA	335-67-1	≤1 µg/m <sup>2</sup>	
		Altri PFCs ionici: Perfluorobutane sulfonate (PFBS), perfluorohexane sulfonate (PFHxS), perfluoroheptane sulfonate (PFHpS), perfluorooctane sulfonate (PFOS), perfluorodecane sulfonate (PFDS), perfluorobutanoate (PFBA), perfluoropentanoate (PFPA), perfluorohexanoate (PFHxA), perfluoroheptanoate (PFHpA), perfluorooctanoate (PFOA), perfluorononanoate (PFNA), perfluorodecanoate (PFDA), perfluoroundecanoate (PFUnA), perfluorododecanoate (PFDoA), perfluorotridecanoate (PFTTrA), perfluorotetradecanoate (PFTeA), perfluorooctane sulfonamide (PFOSA), perfluoro-3,7-dimethyloctanoate (PF-3,7-DMOA), 7H-dodecafluoroheptanoate (HPFHpA), 2H,2H-perfluorodecanoate (H2PFDA), 2H,2H,3H,3H-perfluoroundecanoate (H4PFUnA)		Vari	≤1 µg/m <sup>2</sup>	CEN/TS 15968 or Solvent extraction, LC-MS analysis
14	PFCs VOLATILE	1H,1H,2H,2H-perfluorooctylacrylate (6:2 FTA), 1H,1H,2H,2H-perfluorodecylacrylate (8:2 FTA), 1H,1H,2H,2H-perfluorododecylacrylate (10:2 FTA), 1H,1H,2H,2H-perfluoro-1-hexanol (4:2 FTOH), 1H,1H,2H,2H-perfluoro-1-oktanol (6:2 FTOH), 1H,1H,2H,2H-perfluoro-1-decanol (8:2 FTOH), 1H,1H,2H,2H-perfluoro-1-dodecanol (10:2 FTOH), 2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (MeFOSE), 2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (EtFOSE), N-methylperfluoro-1-octanesulfonamide (MeFOSA), N-ethylperfluoro-1-octanesulfonamide (EtFOSA)		Vari	≤1 µg/m <sup>2</sup> ≤10 µg/m <sup>2</sup> For 8:2 FTOH 10:2 FTOH 4:2 FTOH 6:2 FTOH	
15	Chlorinated paraffins (C10-C13)	SCCPs: C10-C13	SCCP	85535-84-8	Not detectable (≤50 mg/kg)	Extraction in solvent GC-MS / LC-MS-MS



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N.	REQUIREMENT	SUBSTANCE	ABBREVIATION	CAS N°	LIMIT	TEST METHOD
16	<b>Chlorinated benzenes and toluenes and other Chlorinated solvents</b>	<b>Chlorinated benzenes and toluenes</b> Monochlorobenzene, Chlorobenzene 1,2-Dichlorobenzene 1,3- Dichlorobenzene 1,4-Dichlorobenzene 1,2,3- Trichlorobenzene 1,2,4-Trichlorobenzene 1,3,5- Trichlorobenzene 1,2,3,4- Tetrachlorobenzene 1,2,3,5-Tetraclorobenzene 1,2,4,5 Tetrachlorobenzene Pentachlorobenzene Hexachlorobenzene 2-Chlorotoluene, 3- Chlorotoluene 4-Chlorotoluene 2,3- Dichlorotoluenes 2,4-Dichlorotoluene 2,5- Dichlorotoluene 2,6-Dichlorotoluene 3,4- Dichlorotoluene 2,3,6-Trichlorotoluene 2,4,5- Trichlorotoluene Pentachlorotoluene Tetrachlorotoluene		108-90-7; 541-73-1; 106-46-7; 95-50-1;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 95-73-8; 19398-61-9; 118-69-4; 32768-54-0; 95-75-0; 2077-46-5; 98-07-7; 2136-89-2; 5216-25-1; 81-19-6; 877-11-2	Sum ≤1 mg/kg	DIN 54232
		<b>Other Chlorinated Solvents</b> Pentacloroethane, Carbon Tetrachloride, 1,1,1-Trichloroethane, 1,1,1,2- Tetrachloroethane, 1,1,2,2- Tetrachloroethane, Chloroform, 1,1,2-Trichloroethane, 1,1-Dicloroetilene, Tricloroetilene, Tetrachloromethane		76-01-7; 71-55-6; 630 -20-6; 79-34-5; 67-66-3 79-00-5; 75-35-4; 79-01-6; 56-23-5	Sum ≤500 mg/kg	Extraction in solvent/ GC-MS
17	<b>Allergenic dyes</b>	C.I. Disperse Blue 1		2475-45-8	≤50 mg/kg	DIN 54231
		C.I. Disperse Blue 3		2475-46-9		
		C.I. Disperse Blue 7		3179-90-6		
		C.I. Disperse Blue 26		3860-63-7		
		C.I. Disperse Blue 35		12222-75-2		
		C.I. Disperse Blue 102		12222-97-8		
		C.I. Disperse Blue 106		12223-01-7		
		C.I. Disperse Blue 124		61951-51-7		
		C.I. Disperse Brown 1		23355-64-8		
		C.I. Disperse Orange 1		2581-69-3		



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N.	REQUIREMENT	SUBSTANCE	ABBREVIATION	CAS N°	LIMIT	TEST METHOD
		C.I. Disperse Orange 3		730-40-5	(continue) ≤50 mg/kg	(continue) DIN 54231
		C.I. Disperse Orange 37/59		12223-33-5		
		C.I. Disperse Orange 76		13301-61-6		
		C.I. Disperse Red 1		2872-52-8		
		C.I. Disperse Red 11		2872-48-2		
		C.I. Disperse Red 17		3179-89-3		
		C.I. Disperse Yellow 1		119-15-3		
		C.I. Disperse Yellow 3		2832-40-8		
		C.I. Disperse Yellow 9		6373-73-5		
		C.I. Disperse Yellow 39		12236-29-2		
		C.I. Disperse Yellow 49		54824-37-2		
		C.I. Disperse Yellow 23		6250-23-3		
18	Carcinogenic Dyes	Disperse Blue 1		2475-45-8	Not detectable (≤5 mg/kg)	DIN 54231
		Disperse Orange 11		82-28-0		
		Disperse Yellow 3		2832-40-8		
		Basic Red 9		569-61-9		
		Basic Violet 14		632-99-5		
		Acid Red 26		3761-53-3		
		Direct Black 38		1937-37-7		



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N.	REQUIREMENT	SUBSTANCE	ABBREVIATION	CAS N°	LIMIT	TEST METHOD
		Direct Red 28		573-58-0	(continue)  Not detectable (≤5 mg/kg)	(continue)  DIN 54231
		Direct Blue 6		2602-46-2		
		Disperse Orange 149		151126-94-2, 85136-74-9		
		Basic Blue 26		2580-56-5		
		Basic Violet 3		548-62-9		
19	<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>	Benzo(a)pyrene	BaP	50-32-8	Each ≤1 mg/kg (except for naphthalene ≤2 mg/kg)  Sum ≤10 mg/kg	AFPS GS 2014:01 PAK
		Benzo(a)anthracene	BaA	56-55-3		
		Benzo(b)fluoranthene	BbF	205-99-2		
		Benzo(e)pyrene	BeP	192-97-2		
		Benzo(j)fluoranthene	BjF	205-82-3		
		Benzo(k)fluoranthene	BkF	207-08-9		
		Chrysene	CHR	218-01-9		
		Dibenzo(a, h)anthracene	DBA	53-70-3		
		Benzo(g,h,i)perylene		191-24-2		
		Indeno(1,2,3-cd)pyrene		193-39-5		
		Acenaphthene		83-32-9		
		Acenaphthylene		208-96-8		
		Anthracene		120-12-7		
		Fluoranthene		206-44-0		



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		Fluorene		86-73-7	(continue)  Each ≤1 mg/kg (except for naphthalene ≤2 mg/kg)  Sum ≤10 mg/kg	(continue)  AFPS GS 2014:01 PAK
		Phenanthrene		85-01-8		
		Pyrene		129-00-0		
		Naphtalene		91-20-3		
20	Other solvents	N,N-Dimethylacetamide	DMAC	127-19-5	Not detectable (≤0,1 mg/kg)	Extraction in solvent GC-MS; HS-GC
		N,N-Dimethylformamide	DMF	68-12-2	Not detectable (≤0,1 mg/kg)	Extraction in solvent GC-MS; HS-GC ISO TS 16189
		1-Methyl-2-Pyrrolidone	NMP	872-50-4	Not detectable (≤0,1 mg/kg)	Extraction in solvent GC-MS; HS-GC



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# METALS

N.	REQUIREMENT	SUBSTANCE	ABBREVIATION	CAS N°	LIMIT	TEST METHOD
1	Heavy metals Total content	Lead	Pb	7439-92-1	≤ 100 mg/kg ≤ 90 mg/kg (coating)	CPSC-CH-E1003-09.3 (surface coating) CPSC-CH-E1001-08.1 /CPSC CH E1002-08.1 CPSC-CH-E1002-08.3 (substrate)  EN 16711-1
		Cadmium	Cd	7440-43-9	≤ 100 mg/kg (coating included)	
		Arsenic	As	7440-38-2	Not detectable ≤ 1 mg/kg	
		Mercury	Hg	7439-97-6	Not detectable ≤ 1 mg/kg	
2	Nickel (release)		Ni	7440-02-0	<0,5 µg/cm <sup>2</sup> /week (contact with skin) <0,2 µg/cm <sup>2</sup> /settimana (piercings)	EN 12472 + EN 1811





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PLASTIC AND OTHER POLYMERIC MATERIALS\*

N.	REQUIREMENT	SUBSTANCE	ABBREVIATION	CAS N°	LIMIT	TEST METHOD
1	N-Nitrosamines	N-Nitrosodibutylamine	NDBA	924-16-3	≤ 0,5 mg/kg	GB/T 24153
		N-Nitrosodiethylamine	NDEA	55-18-5		
		N-Nitrosodimethylamine	NDMA	62-75-9		
		N-Nitrosodipropylamine	NDPA	621-64-7		
		N-nitroso-N-ethylaniline	NEPhA	614-64-6		
		N-Nitroso-N-methylaniline		614-00-6		
		N-Nitrosomorpholine	NMOR	59-89-2		
		N-Nitrosopiperidine	NPIP	100-75-4		
		N-Nitrosopyrrolidine		930-55-2		
2	Vinyl chloride monomer	Vinyl chloride monomer	VCM	75-01-4	<5 mg/kg	GB/T 4615
3	Formaldehyde	Formaldehyde		50-00-0	<75 mg/kg	ISO 14184-1 GB/T 2912.1
4	Heavy metals Total content	Lead	Pb	7439-92-1	≤ 40 mg/kg	CPSC-CH-E1001-08.1 /CPSC CH E1002-08.1 CPSC-CH-E1002-08.3
		Cadmium	Cd	7440-43-9	≤ 10 mg/kg	

\* Applicable to products or components of articles in plastic, rubber, PVC (eg. accessories, soles, heels, applications) and synthetic leather



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N.	REQUIREMENT	SUBSTANCE	ABBREVIATION	CAS N°	LIMIT	TEST METHOD
5	Phtalates	Benzyl Butyl phthalate	BBP	85-68-7	≤50 mg/kg	CPSC-CH-C1001-09.3
		Di (2-ethylhexyl) phthalate	DEHP	117-81-7		
		Diisobutylphthalate	DIBP	84-69-5		
		Di-n-butyl phthalate	DBP	84-74-2		
		Di-isononyl phthalate	DINP	28553-12-0		
		Di-n-octyl phthalate	DNOP	117-84-0	Sum ≤500 mg/kg	
		Di-n-hexyl phthalate	DnHP	84-75-3		
		Di-isodecylphthalate	DIDP	26761-40-0		
		1,2-Benzenedicarboxylic acid, di-C6-8-branched alkylesters, C7-rich	DIHP	71888-89-6		
		1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	DHNUP	68515-42-4		
		Bis(2-methoxyethyl)phthalate	DMEP	117-82-8		
		Diisopentylphthalate	DIPP	605-50-5		
		N-pentylisopentylphthalate	nPIPP	776297-69-9		
		Di-n-pentyl phthalate	DnPP	131-18-0		
		1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	DPP	84777-06-0		
		Dimethyl phthalate	DMP	131-11-3		
		Diethylphthalate	DEP	84-66-2		
		Di-iso-octylphthalate	DIOP	27554-26-3		
		Di-nonylphthalate	DNP	84-76-4		
		Di-n-propylphthalate	DprP	131-16-8		
Di-cyclo-hexylphthalate	DCHP	84-61-7				
Di-hexylphthalate	DHXP	68515-50-4				
6	Organotins Compounds	Dibutyltin	DBT	1002-53-5	Not detectable (≤ 0.1 mg/kg)	ISO/TS 16179
		Diocetyl tin	DOT	15231-44-4		
		Tributyltin	TBT	56573-85-4		
		Triphenyltin	TPhT	668-34-8		



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N.	REQUIREMENT	SUBSTANCE	ABBREVIATION	CAS N°	LIMIT	TEST METHOD
7	Chlorinated paraffins (C10-C13)	SCCPs: C10-C13	SCCP	85535-84-8	Not detectable (≤50 mg/kg)	Extraction in solvent GC-MS / LC-MS-MS
8	Chlorinated benzenes and toluenes and other Chlorinated solvents	Chlorinated benzenes and toluenes Monochlorobenzene, Chlorobenzene 1,2-Dichlorobenzene 1,3- Dichlorobenzene 1,4-Dichlorobenzene 1,2,3- Trichlorobenzene 1,2,4-Trichlorobenzene 1,3,5- Trichlorobenzene 1,2,3,4- Tetrachlorobenzene 1,2,3,5-Tetraclorobenzene 1,2,4,5 Tetraclorobenzene Pentachlorobenzene Hexachlorobenzene 2-Chlorotoluene, 3- Chlorotoluene 4-Chlorotoluene 2,3- Dichlorotoluenes 2,4-Dichlorotoluene 2,5- Dichlorotoluene 2,6-Dichlorotoluene 3,4- Dichlorotoluene 2,3,6-Trichlorotoluene 2,4,5- Trichlorotoluene Pentachlorotoluene Tetrachlorotoluene		108-90-7; 541-73-1; 106-46-7; 95-50-1;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 95-73-8; 19398-61-9; 118-69-4; 32768-54-0; 95-75-0; 2077-46-5; 98-07-7; 2136-89-2; 5216-25-1; 81-19-6; 877-11-2	Sum ≤1 mg/kg	DIN 54232
		Other Chlorinated Solvents Pentacloroethane, Carbon Tetrachloride, 1,1,1-Trichloroethane, 1,1,1,2- Tetrachloroethane, 1,1,2,2- Tetrachloroethane, Chloroform, 1,1,2-Trichloroethane, 1,1-Dicloroetilene, Tricloroetilene, Tetrachloromethane		76-01-7; 71-55-6; 630 -20-6; 79-34-5; 67-66-3 79-00-5; 75-35-4; 79-01-6; 56-23-5	Sum ≤500 mg/kg	Extraction in solvent/ GC-MS



VERSACE

CHEMICAL SAFETY REQUIREMENTS for: RAW MATERIALS AND FINISHED PRODUCTS

Versace Apparel & Accessories

Rev 0\_13/03/2017

RAW MATERIALS: Fabric, Leather, Metals, Plastic

FINISHED PRODUCTS: Bags, SLG, Shoes, RTW, Bijoux, Home

N.	REQUIREMENT	SUBSTANCE	ABBREVIATION	CAS N°	LIMIT	TEST METHOD
9	Polycyclic Aromatic Hydrocarbons (PAHs)	Benzo(a)pyrene	BaP	50-32-8	Each ≤1 mg/kg (except for naphthalene ≤2 mg/kg)  Sum ≤10 mg/kg	AFPS GS 2014:01 PAK
		Benzo(a)anthracene	BaA	56-55-3		
		Benzo(b)fluoranthene	BbF	205-99-2		
		Benzo(e)pyrene	BeP	192-97-2		
		Benzo(j)fluoranthene	BjF	205-82-3		
		Benzo(k)fluoranthene	BkF	207-08-9		
		Chrysene	CHR	218-01-9		
		Dibenzo(a, h)anthracene	DBA	53-70-3		
		Benzo(g,h,i)perylene		191-24-2		
		Indeno(1,2,3-cd)pyrene		193-39-5		
		Acenaphthene		83-32-9		
		Acenaphthylene		208-96-8		
		Anthracene		120-12-7		
		Fluoranthene		206-44-0		



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N.	REQUIREMENT	SUBSTANCE	ABBREVIATION	CAS N°	LIMIT	TEST METHOD
		Fluorene		86-73-7	(continue)  Each ≤1 mg/kg (except for naphthalene ≤2 mg/kg)  Sum ≤10 mg/kg	(continue)  AFPS GS 2014:01 PAK
		Phenanthrene		85-01-8		
		Pyrene		129-00-0		
		Naphtalene		91-20-3		
10	Other solvents	N,N-Dimethylacetamide	DMAC	127-19-5	Not detectable (≤0,1 mg/kg)	Extraction in solvent GC-MS; HS-GC
		N,N-Dimethylformamide	DMF	68-12-2	Not detectable (≤0,1 mg/kg)	Extraction in solvent GC-MS; HS-GC ISO TS 16189



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LEGISLATION COMPLIANCE TO THE WORLDWIDE MOST IMPORTANT REQUIREMENT (Declaration of compliance by the supplier: by signing below this, the manufacturer declares compliance with the legislation and relative annex entirely)	
REQUIREMENT OF THE MOST IMPORTANT WORLDWIDE MARKETS	RESTRICTIVE LEGISLATIVE REQUIREMENT
EUROPE	REACH COMPLIANCE CE Regulation n. 1907/2006 named "R.E.A.C.H." (including the Annex XIV, XV, XVII) Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals. Declaration of compliance by the supplier: By signing below this, the manufacturer declares compliance with the legislation and relative annex entirely Please find attached the link to examine the updated SVHC list (annex XIV and XV): <a href="http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp">http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp</a>
CHINA	COMPLIANCE to Chinese regulation GB 18401 (textiles), GB 20400 (leather), GB28480 (metals), GB21550 (plastics and other polymeric materials), which compel raw materials to comply to its reference requirements.
KOREA	COMPLIANCE with Safety Quality Mark Act (KC Mark) requirements
USA and CALIFORNIA	COMPLIANCE to CPSIA requirements – "Consumer Product Safety Improvement Act – of 2008" regulating the limits of certain dangerous substances. COMPLIANCE TO "Proposition 65 Settlement" CALIFORNIA PROPOSITION 65
<i>The undersigned Company hereby declares and guarantees that all the materials used in the production of the product above mentioned comply with the European Regulations current on protection of health and use of hazardous substances such as to the Regulation EC n ° 1907/2006, called "REACH", including its Annex, and to have taken all the necessary steps to meet its obligations under this legislation and also ensures compliance with the chemical requirements contained in the CALIFORNIA PROPOSITION 65 and contained in the KOREA Safety Quality Mark Act (KC Mark) and CHINA GB Regulations. It also confirms that the product described above neither contains nor intentionally releases any of the hazardous substances listed from the SVHC (Substances of Very High Concern) list in concentrations exceeding 0.1% by weight. The Company commits itself to provide all the necessary information about the substance, for the safe use of the article and for a possible registration in the event that is warned the presence or the intentional release of hazardous substances in concentrations greater than the permitted. This Company also commits itself to verify every change of the regulations current and of the hazardous substances and to inform you as soon as possible if an item proves to contain and / or release any new hazardous substance. The Company finally assures that dyes and products used do not contain banned aromatic amines.</i>	

**Supplier is asked to sign and stamp for acceptance the indications which are present in the document, for the parts applicable to Your supply:**

Date

Gianni Versace S.p.A.

Operations premises: Via Belletti, 4/D - 28100 Novara -  
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Capitale Sociale € 81.864.102,00 sottoscritto e versato € 81.857.275,00  
R.E.A. Milano 1762567 Cod. Fisc e Reg. Imp. 04636090963  
Part. IVA IT 04636090963

Sign and Stamp for Acceptance