



Issued Department ISO-QA	Version V3.0	Page 1-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

## COMPLIANCE COMMITMENT

### CAM KẾT TUÂN THỦ

With Huge Bamboo's MRSL for the Control and Monitoring of hazardous substances

Với MRSL của Huge Bamboo về việc Kiểm soát và Giám sát những chất độc hại

(applied for all chemicals and preparations)

(Áp dụng cho tất cả các hóa chất và chất pha chế)

Company\_Công Ty: \_\_\_\_\_

Representative\_Người Đại Diện: \_\_\_\_\_

Address\_Địa Chỉ: \_\_\_\_\_

Phone\_Số Điện thoại: \_\_\_\_\_

Email: \_\_\_\_\_

#### 1. INTRODUCTION-GIỚI THIỆU:

As request from all customers, Huge Bamboo (HB) must comply with the regulations of restricted hazardous substances use in our products. HB would like to inform to all suppliers about the HB's MRSL. All the restricted substances must not exceed the limits stated in this MRSL. All suppliers please sign the commitment, then send it back to HB. HB will update this MRSL every year. Therefore, HB will send this commitment to all suppliers for confirmation every June or December.

Theo yêu cầu của các Khách Hàng, HB phải tuân thủ với những qui định về việc hạn chế sử dụng các chất hạn chế trong các sản phẩm của HB. HB xin thông báo đến tất cả các nhà cung cấp về danh sách hóa chất hạn chế của HB (HB's MRSL). Tất cả các chất hạn chế không được vượt quá giới hạn được trình bày trong MRSL này. Các nhà cung cấp vui lòng ký cam kết tuân thủ, sau đó gửi lại cho HB. HB sẽ cập nhật MRSL này mỗi năm. Do đó, HB sẽ gửi cam kết cho tất cả nhà cung cấp ký xác nhận vào tháng 6 hoặc 12 hàng năm.

依客戶的要求，HB 要遵守關於 HB 產品使用的限制物質。HB 給所有供應廠商通知 HB 受限的化學



Issued Department ISO-QA	Version V3.0	Page 2-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

品名單(HB's MRSL)。所有限制物質不可以超過 MRSL 的極限。請供應廠商登錄承諾簽核，然後送回 HB。每年 HB 會更新 MRSL。因此，在每年 6 或 12 月份 HB 會給所有供應廠商送且結書簽核。

By signing this compliance commitment, the supplier hereby certifies to have received, read and understood the chemicals management requirements and undertakes to comply with its contents as well as to meet all requirements from HB's customers.

Thông qua việc ký cam kết này, các nhà cung cấp đã chứng nhận rằng đã nhận được, đọc được và hiểu rõ những yêu cầu về việc quản lý hóa chất và thực hiện để tuân thủ với nội dung cũng như đáp ứng tất cả các yêu cầu từ những Khách Hàng của HB.

通過簽這一且結書，供應廠商已經證明已收到，閱讀並理解化學品管理和和實行遵守對於內容及滿足所有 HB 客戶的要求。

## 2. HUGE BAMBOO'S MANUFACTURING RESTRICTED SUBSTANCES LIST- DANH SÁCH HÓA CHẤT HẠN CHẾ CỦA HUGE BAMBOO (HB's MRSL/MRSL):

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
Alkylphenol (AP) and Alkylphenol Ethoxylates (APEOs): including all isomers				
	104-40-5	Nonylphenol (NP), mixed isomers	All chemicals & Preparations	100 ppm
	11066-49-2			
	25154-52-3			
	84852-15-3			
	140-66-9	Octylphenol (OP), mixed isomers		100 ppm
	1806-26-4			
	27193-28-8			
	9002-93-1	Octylphenol ethoxylates (OPEO)		100 ppm
	9036-19-5			
	68987-90-6			
	9016-45-9	Nonylphenol ethoxylates (NPEO)		100 ppm
	26027-38-3			
	37205-87-1			
	68412-54-4			



Issued Department ISO-QA	Version V3.0	Page 3-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
	127087-87-0			
New	80-46-6	p-(1,1-Dimethylpropyl)phenol		100 ppm
	98-54-4	4-tert-Butylphenol		100 ppm
New	27193-86-8	dodecylphenol substances, mixed isomers		100 ppm
Chlorobenzenes and Chlorotoluenes				
Update	76057-12-0	2,3,4,5-tetrachlorotoluene	All chemicals & Preparations	10 ppm
Update	877-11-2	Pentachlorotoluene		10 ppm
Update	95-50-1	1,2-Dichlorobenzene		Usage ban
Update	541-73-1	1,3-Dichlorobenzene		Usage ban
Update	106-46-7	1,4-Dichlorobenzene		Usage ban
Update	87-61-6	1,2,3-Trichlorobenzene		Usage ban
Update	120-82-1	1,2,4-Trichlorobenzene		Usage ban
Update	108-70-3	1,3,5-Trichlorobenzene		Usage ban
Update	634-66-2	1,2,3,4-Tetrachlorobenzene		Usage ban
Update	634-90-2	1,2,3,5-Tetrachlorobenzene		Usage ban
Update	95-94-3	1,2,4,5-Tetrachlorobenzene		Usage ban
Update	608-93-5	Pentachlorobenzene		Usage ban
Update	118-74-1	Hexachlorobenzene		Usage ban
Update	7359-72-0	2,3,4-Trichlorotoluene		Usage ban
Update	2077-46-5	2,3,6-Trichlorotoluene		Usage ban
Update	6639-30-1	2,4,5-Trichlorotoluene		Usage ban
Update	'95-49-8	2-Chlorotoluene		Usage ban
Update	108-41-8	3-Chlorotoluene		Usage ban
Update	106-43-4	4-Chlorotoluene		Usage ban
Update	32768-54-0	2,3-Dichlorotoluene		Usage ban



Issued Department ISO-QA	Version V3.0	Page 4-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
Update	95-73-8	2,4-Dichlorotoluene	Huge Bamboo Scope	Usage ban
Update	19398-61-9	2,5-Dichlorotoluene		Usage ban
Update	118-69-4	2,6-Dichlorotoluene		Usage ban
Update	95-75-0	3,4-Dichlorotoluene		Usage ban
Update	875-40-1	2,3,4,6-tetrachlorotoluene		Usage ban
New	5216-25-1	a,a,a,4-Tetrachlorotoluene		Usage ban
New	2136-89-2	a,a,a,2-Tetrachlorotoluene		Usage ban
New	23749-65-7	2,4,6-Trichlorotoluene		Usage ban
New	21472-86-6	3,4,5-trichlorotoluene		Usage ban
New	98-07-7	a,a,a-Trichlorotoluene		Usage ban
New	25186-47-4	3,5-Dichlorotoluene		Usage ban
New	1006-32-2	2,3,4,5-Tetrachlorotoluene		Usage ban
Update	1006-31-1	2,3,5,6-tetrachlorotoluene		Usage ban

#### Chlorophenols

Update	25167-83-3	Tetrachlorophenol (TeCP)	All chemicals & Preparations	sum of substances 20 ppm
	87-86-5	Pentachlorophenol (PCP)		
	4901-51-3	2,3,4,5-tetrachlorophenol		
	58-90-2	2,3,4,6-tetrachlorophenol		
	935-95-5	2,3,5,6-tetrachlorophenol		
	95-57-8	2-chlorophenol		
	120-83-2	2,4-dichlorophenol		
	583-78-8	2,5-dichlorophenol		
	87-65-0	2,6-dichlorophenol		
	95-95-4	2,4,5-trichlorophenol		
	88-06-2	2,4,6-trichlorophenol		
	591-35-5	3,5-dichlorophenol		
	576-24-9	2,3-dichlorophenol		
	95-77-2	3,4-dichlorophenol		



Issued Department ISO-QA	Version V3.0	Page 5-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value	
	108-43-0	3-chlorophenol			
	106-48-9	4-chlorophenol			
	15950-66-0	2,3,4-trichlorophenol			
	933-78-8	2,3,5-trichlorophenol			
	609-19-8	3,4,5-trichlorophenol			
	933-75-5	2,3,6-trichlorophenol			
Anti-microbials and biocides					
	90-43-7	O-phenylphenol	All chemicals & Preparations	5000 ppm	
	Multiple	Permethrin		250 ppm	
	3380-34-5	Triclosan		250 ppm	
	624-49-7	Dimethylfumarate		0.1 ppm	
New	55965-84-9	mix of 5-chloro-2-methyl -4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1) (CMIT/MIT)		1000 ppm	
New	2634-33-5	1,2-Benzisothiazol- 3(2H)-one (BIT)		1000 ppm	
	21564-17-0	2-(Thiocyanomethylthio)-benzothiazole		1000 ppm	
	26172-55-4	5-Chloro-2-Methyl-4-Isothiazolin-3-One		500 ppm	
	2682-20-4	2-Methyl-4-Isothiazolin-3-one		500 ppm	
	26530-20-1	2-n-Octyl-4-isothiazolin-3-one		1000 ppm	
New	13463-41-7	Pyrrithione zinc		50 ppm	
Update	79-07-2	2-Chloracetamide		10 ppm	
New	64359-81-5	Dichlorooctyl isothiazolinone (DCOIT)		100 ppm	
Update	97-23-4	Dichlorophen		10 ppm	
New	2832-19-1	N-Methylol-chloroacetamide		100 ppm	
Update	52645-53-1	Permethrine			10 ppm
Chlorinated Parafins					
	85535-84-8	Short-chain chlorinated paraffin	All chemicals &	50 ppm	



巨竹紡織工業責任有限公司  
HUGE-BAMBOO ENTERPRISE CO.,LTD



Issued Department ISO-QA	Version V3.0	Page 6-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
		(C10-C13)	Preparations	
	85535-85-9	Medium-chain chlorinated paraffins (MCCPs) (C14-C17)		500 ppm
Dyes – Azo (Forming Restricted Amines)				
	101-14-4	4,4'-methylene-bis-(2-chloro-aniline)	All chemicals & Preparations	10 ppm
	101-77-9	4,4'-methylenedianiline		10 ppm
	101-80-4	4,4'-oxydianiline		10 ppm
	106-47-8	4-chloroaniline		10 ppm
	119-90-4	3,3'-dimethoxylbenzidine		10 ppm
	119-93-7	3,3'-dimethylbenzidine		10 ppm
	120-71-8	6-methoxy-m-toluidine		10 ppm
	137-17-7	2,4,5-trimethylaniline		10 ppm
	139-65-1	4,4'-thiodianiline		10 ppm
	60-09-3	4-aminoazobenzene		10 ppm
	615-05-4	4-methoxy-m-phenylenediamine		10 ppm
	838-88-0	4,4'-methylenedi-o-toluidine		10 ppm
	87-62-7	2,6-xylidine		10 ppm
	90-04-0	o-anisidine		10 ppm
	91-59-8	2-naphthylamine		10 ppm
	91-94-1	3, '3-dichlorobenzidine		10 ppm
	92-67-1	4-aminodiphenyl		10 ppm
	92-87-5	Benzidine		10 ppm
	95-53-4	o-toluidine		10 ppm
	95-68-1	2,4-xylidine		10 ppm
	95-69-2	4-chloro-o-toluidine		10 ppm
	95-80-7	4-methyl-m-phenylenediamine		10 ppm
	97-56-3	o-aminoazotoluene		10 ppm
	99-55-8	5-nitro-o-toluidine		10 ppm
	553-00-4	2-Naphthylammoniu macetate		150 ppm



Issued Department ISO-QA	Version V3.0	Page 7-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
	3165-93-3	4-chloro-o-toluidinium chloride		150 ppm
	39156-41-7	4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate		150 ppm
	21436-97-5	2,4,5-trimethylaniline hydrochloride		150 ppm
Dyes – Navy Blue Colourant				
Update	118685-33-9	Component 1: C39H23ClCrN7O12S·2Na	All chemicals & Preparations	250 ppm
	Not allocated	Component 2: C46H30CrN10O20S2·3Na		
Dyes – Carcinogenic or Equivalent Concern				
	1937-37-7	C.I. Direct Black 38	All chemicals & Preparations	150 ppm
	2602-46-2	C.I. Direct Blue 6		150 ppm
	3761-53-3	C.I. Acid Red 26		150 ppm
	569-61-9	C.I. Basic Red 9		150 ppm
	573-58-0	C.I. Direct Red 28		150 ppm
	632-99-5	C.I. Basic Violet 14		150 ppm
	2475-45-8	C.I. Disperse Blue 1		150 ppm
	2475-46-9	C.I. Disperse Blue 3		150 ppm
	2580-56-5	C.I. Basic Blue 26 (with Michler’s Ketone > 0.1%)		150 ppm
	569-64-2	C.I. Basic Green 4 (malachite green chloride)		150 ppm
	2437-29-8	C.I. Basic Green 4 (malachite green oxalate)		150 ppm
	10309-95-2	C.I. Basic Green 4 (malachite green)		150 ppm
	82-28-0	Disperse Orange 11		150 ppm
	1694-09-3	C.I.Acid Violet 49		250 ppm
	548-62-9	Basic violet 3 with >0.1% of Michler's Ketone		250 ppm
Update	6250-23-3	Disperse yellow 23		200 ppm
Update	85136-74-9	Disperse Orange 149		200 ppm





巨竹紡織工業責任有限公司  
HUGE-BAMBOO ENTERPRISE CO.,LTD



Issued Department ISO-QA	Version V3.0	Page 8-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
<b>HB's MRSL</b>				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
Update	12656-85-8	Pigment Red 104	Huge Bamboo Scope	200 ppm
Update	1344-37-2	Pigment Yellow 34		200 ppm
Update	16071-86-6	Direct Brown 95		200 ppm
	2429-74-5	Direct Blue 15		1000 ppm
	6459-94-5	Acid Red 114		1000 ppm
	54077-16-6	Disperse Yellow 56		1000 ppm
	61968-47-6	Disperse Red 151		1000 ppm

**Dyes – Disperse (Sensitising)**

	119-15-3	Disperse Yellow 1	All chemicals & Preparations	150 ppm
	12222-97-8	Disperse Blue 102		150 ppm
	12223-01-7	Disperse Blue 106		150 ppm
	12236-29-2	Disperse Yellow 39		150 ppm
	13301-61-6	Disperse Orange 37/59/76		150 ppm
	23355-64-8	Disperse Brown 1		150 ppm
	2581-69-3	Disperse Orange 1		150 ppm
	2832-40-8	Disperse Yellow 3		150 ppm
	2872-48-2	Disperse Red 11		150 ppm
	2872-52-8	Disperse Red 1		150 ppm
	3179-89-3	Disperse Red 17		150 ppm
	3179-90-6	Disperse Blue 7		150 ppm
	3860-63-7	Disperse Blue 26		150 ppm
	54824-37-2	Disperse Yellow 49		150 ppm
	12222-75-2	Disperse Blue 35		150 ppm
	61951-51-7	Disperse Blue 124		150 ppm
	6373-73-5	Disperse Yellow 9		150 ppm
	730-40-5	Disperse Orange 3		150 ppm
	56524-77-7	Disperse Blue 35		150 ppm
New	6358-53-8	Solvent Red 80		200 ppm

**Flame Retardants**





Issued Department ISO-QA	Version V3.0	Page 9-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
Update	115-96-8	Tris(2-chloroethyl)phosphate (TCEP)	All chemicals & Preparations	50 ppm
Update	1163-19-5	Decabromodiphenyl ether (DecaBDE)		50 ppm
	126-72-7	Tris(2,3,-dibromopropyl)-phosphate (TRIS)		<10 ppm
Update	32534-81-9	Pentabromodiphenyl ether (PentaBDE)		50 ppm
Update	32536-52-0	Octabromodiphenyl ether (OctaBDE)		50 ppm
	5412-25-9	Bis(2,3-dibromopropyl)phosphate (BIS)		<10 ppm
	21850-44-2	Bis (2,3-dibromopropyl ether) of tetrabromobisphenol		<10 ppm
	542-88-1	Bis (chloromethyl) ether		<10 ppm
	545-55-1	Tris(1-aziridiny)phosphine oxide) (TEPA)		<10 ppm
Update	59536-65-1	Polybromobiphenyls (PBB)		10 ppm
Update	79-94-7	Tetrabromobisphenol A (TBBPA)		50 ppm
Update	3296-90-0	2,2-bis(bromomethyl)-1,3-propanediol (BBMP)		50 ppm
Update	13674-87-8	Tris(1,3-dichloro-isopropyl) phosphate (TDCP)		50 ppm
Update	1336-36-3	Polychlorobiphenyls & Polychlorotriphenyls Pyralene		10 ppm
New	36483-57-5 & 1522-92-5	1-propanol, 2,2-dimethyl-, tribromo deriv		50 ppm
New	96-13-9	2,3-dibromopropan-1-ol-(2,3-DBPA)		50 ppm
	3194-55-6	Hexabromocyclodo decane (HBCDD)		250 ppm
	10043-35-3/11113-50-1	Boric acid (H3BO3)		250 ppm
	13654-09-6	Decabromodiphenyl ether (DecaBDE)		250 ppm
	1303-96-4/1330-43-4	Disodium tetraborate anhydrous (Na2B4O7)		250 ppm
	12008-41-2	disodium octaborate		250 ppm



Issued Department ISO-QA	Version V3.0	Page 10-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
	1303-86-2	Diboron trioxide		250 ppm
Update	68928-80-3	Heptabromodiphenyl ether (HeptaBDE)		50 ppm
	Mutiple	Dibromobiphenyls (DiBB)		250 ppm
	Mutiple	Monobromodiphenylethers (MonoBDEs)		250 ppm
	26264-10-8, 2052-07-5, 2113-57-7, 92-66-0	Monobromo biphenyls (MonoBB)		250 ppm
Update	36483-60-0	Hexabromodiphenyl		50 ppm
	27753-52-2, 69278-62-2, 119264-62-9, 119264-63-0	Nonabromobiphenyls (NonaBB)		250 ppm
Update	63936-56-1	Nonabromodiphenyls ether (NonaBDE)		50 ppm
	27858-07-7, 61288-13-9	Octabromo biphenyls (OctaBB)		250 ppm
	12267-73-1	Tetraboron disodium heptaoxide (Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> )		250 ppm
Update	40088-47-9	Tetrabromodiphenyl ether (TetraBDE)		50 ppm
Update	13674-84-5	Tris-(2-chloro-1-methylethyl)phosphate (TCPP)		250 ppm
	Mutiple	Tribromodiphenyl ethers (TriBDEs)		250 ppm
Update	25155-23-1	Trixylyl phosphate (TXP)		50 ppm
New	84852-53-9	Decabromodiphenylethane (DBDPE)		250 ppm
	39635-79-5	Tetrabromobisphenol S (TBBP S)		250 ppm
	183658-27-7	2-Ethylhexyl 2,3,4,5- Tetrabromobenzoate (TBB)		250 ppm
	37853-59-1	1,2-bis(2,4,6-Tribromophenoxy) ethane (BTBPE)		250 ppm



Issued Department ISO-QA	Version V3.0	Page 11-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
	26040-51-7	bis(2-Ethylhexyl) -2,3,4,5-tetrabromophthalate (TBPH)		250 ppm
	38051-10-4	bis(chloromethyl)Propane -1,3-diyltetrakis(2-chloroethyl) Bisphosphate (V6)		250 ppm
	68937-41-7	Isopropylated triphenyl phosphate (IPPTP)		250 ppm
	115-86-6	Triphenyl phosphate (TPP)		250 ppm
	563-04-2 78-32-0 78-30-8	Tricresyl phosphate (TCP)		250 ppm

#### Foams

	Mutiple	Ozone Depleter Gases (CFCs, HCFCs, Halons, HBFCs, HFCs, PFCs, SF6) Sulfur hexafluoride - SF6 (2551-62-4) 1,1,1-trichloroethane (71-55-6)		1000 ppm
	121-14-2 606-20-2	Dinitrotoluene	All chemicals & Preparations	<10000 ppm
Update	2451-62-9	Isocyanurate triglycidyl (TGIC)		1000 ppm
	302-01-2	Hydrazine		<10000 ppm
	50-00-0	Formaldehyde Content		1000 ppm

#### Glycols

	111-96-6	Bis(2-methoxyethyl)-ether		50 ppm
	110-80-5	2-ethoxyethanol	All chemicals & Preparations	50 ppm
	111-15-9	2-ethoxyethyl acetate		50 ppm
	110-71-4	Ethylene glycol dimethyl ether		50 ppm



Issued Department ISO-QA	Version V3.0	Page 12-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
	109-86-4	2-methoxyethanol		50 ppm
	110-49-6	2-methoxyethylacetate		50 ppm
	70657-70-4	2-methoxypropylacetate		50 ppm
	112-49-2	Triethylene glycol dimethyl ether		50 ppm
Halogenated Solvents				
	107-06-2	1,2-dichloroethane	All chemicals & Preparations	5 ppm
	75-09-2	Methylene chloride		5 ppm
	79-01-6	Trichloroethylene		40 ppm
	100-44-7	Benzylchloride		5 ppm dyes 100 ppm
	127-18-4	Tetrachloroethylene		5 ppm
Update	630-20-6	1,1,1,2-Tetrachloroethane		10 ppm
	71-55-6	1,1,1-Trichloroethane		<500 ppm
Update	79-34-5	1,1,2,2-Tetrachloroethane		10 ppm
Update	79-00-5	1,1,2-Trichloroethane		10 ppm
	75-35-4	1,1-Dichloroethylene		<500 ppm
Update	96-18-4	1,2,3-Trichloropropane		5 ppm
Organotin Compounds				
	Multiple	Dibutyltin (DBT)		20 ppm
	Multiple	Mono-, di- and tri-methyltin derivatives	All chemicals & Preparations	5 ppm
	Multiple	Mono-, di- and tri-butyltin derivatives		5 ppm
	Multiple	Mono-, di- and tri-phenyltin derivatives		5 ppm
	Multiple	Mono-, di- and tri-octyltin derivatives		5 ppm
	Multiple	Dipropyltin compounds (DPT)		5 ppm
	Multiple	Tetraethyltin Compounds (TeET)		1 ppm
	Multiple	Tripropyltin Compounds (TPT)		1 ppm
	Multiple	Tetrabutyltin Compounds (TeBT)		1 ppm
	Multiple	Tetraoctyltin Compounds (TeOT)		1 ppm



Issued Department ISO-QA	Version V3.0	Page 13-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
	Multiple	Tricyclohexyltin (TCyHT)		1 ppm
<b>Polycyclic Aromatic Hydrocarbons (PAHs)</b>				
	50-32-8	Benzo[a]pyrene (BaP)	All chemicals & Preparations	20 ppm
Update	120-12-7	Anthracene		5 ppm
	129-00-0	Pyrene		5 ppm
	191-24-2	Benzo[ghi]perylene		5 ppm
	192-97-2	Benzo[e]pyrene		5 ppm
	193-39-5	Indeno[1,2,3-cd]pyrene		5 ppm
	205-82-3	Benzo[j]fluoranthene		5 ppm
	205-99-2	Benzo[b]fluoranthene		5 ppm
	206-44-0	Fluoranthene		5 ppm
	207-08-9	Benzo[k]fluoranthene		5 ppm
	208-96-8	Acenaphthylene		5 ppm
	218-01-9	Chrysene		5 ppm
	53-70-3	Dibenz[a,h]anthracene		5 ppm
	56-55-3	Benzo[a]anthracene		5 ppm
	83-32-9	Acenaphthene		5 ppm
	85-01-8	Phenanthrene		5 ppm
	86-73-7	Fluorene		5 ppm
	91-20-3	Naphthalene		5 ppm
New	27208-37-3	Cyclopenta[c,d]pyrene		1000 ppm
New	192-65-4	Dibenzo-[a,e]pyrene		1000 ppm
New	189-64-0	Dibenzo-[a,h]pyrene		1000 ppm
New	189-55-9	Dibenzo-[a,i]pyrene		1000 ppm
New	191-30-0	Dibenzo-[a,l]pyrene		10 ppm
New	2381-21-7	1-Methylpyrene		1000 ppm
<b>Perfluorinated and Polyfluorinated Chemicals (PFCs)</b>				
	Multiple	Perfluorooctane sulfonate (PFOS) and related substances	All chemicals & Preparations	0.5 ppm



Issued Department ISO-QA	Version V3.0	Page 14-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
	Multiple	Perfluorooctanoic acid (PFOA) and related substances		0.025 ppm
	Multiple	RF-telomers		500 ppm
New	Several	<b>Perfluoroalkyl carboxylic acids and derivatives - PFCA</b>		usage ban
New	<i>Perfluorocarboxylic acids and its salts</i>			
New	375-22-4	Perfluorobutanoic acid		2 ppm
New	307-24-4	Perfluorohexanoic acid (PFHxA)		2 ppm
New	375-85-9	Perfluoroheptanoic acid		2 ppm
New	335-67-1	Perfluorooctanoic acid (PFOA)		
New	3825-26-1	Ammonium pentadecafluoro octanoate		
New	335-95-5	Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, sodium salt (1:1)		0.025 ppm
New	2395-00-8	Potassium perfluorooctanoate		
New	<i>Perfluorononanoic acid and its salts</i>		All chemicals & Preparations	
New	375-95-1	Perfluorononanoic acid		
New	21049-39-8	Sodium salts of perfluorononan-1-oic-acid		2 ppm
New	4149-60-4	Ammonium salts of perfluorononan-1-oic- acid		
New	<i>Perfluorodecanoic acid and its salts</i>			
New	335-76-2	Perfluorodecanoic acid		
New	3108-42-7	Ammonium nonadecafluoro-decanoate		2 ppm
New	3830-45-3	Decanoic acid, nonadecafluoro-, sodium salt		
New	<i>Perfluorododecanoic acid and its salts</i>			
New	307-55-1	Perfluorododecanoic acid		2 ppm



Issued Department ISO-QA	Version V3.0	Page 15-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
New	<i>Perfluorotridecanoic acid and its salts</i>			
New	72629-94-8	Perfluorotridecanoic acid		2 ppm
New	<i>Perfluorotetradecanoic acid and its salts</i>			
New	376-06-7	Perfluorotetradecanoic acid		2 ppm
New	Several	<b>Perfluoroalkyl sulfonic acids and derivatives - PFSA</b>	All chemicals & Preparations	usage ban
New	<i>Perfluorobutane sulfonic acid and its salts</i>			
New	375-73-5	Perfluorobutane sulfonic acid		10 ppm
New	45187-15-3	Perfluorobutane sulfonates		
New	<i>Perfluorohexane sulphonic acid and its salts</i>			
New	108427-53-8	Perfluorohexane sulfonate		
New	3871-99-6	Potassium perfluorohexane-1-sulphonate		
New	68259-08-5	Ammonium perfluorohexane-1-sulphonate		
New	70225-16-0	Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)		
New	55120-77-9	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1)		0.1 ppm
New	70136-72-0	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt		
New	72033-41-1	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1)		
New	82382-12-5	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, sodium salt		





Issued Department ISO-QA	Version V3.0	Page 16-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
New	866621-50-3	Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI)		
New	910606-39-2	Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		
New	911027-69-5	Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)		
New	92011-17-1	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1)		
New	108427-54-9	1-Butanaminium, N,N,N-tributyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid		
New	108427-55-0	Ethanaminium, N,N,N-triethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)		
New	1187817-57-7	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with pyrrolidine (1:1)		
New	1329995-45-0	Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-) (1:1)		
New	1329995-69-8	Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-) (1:1)		



Issued Department ISO-QA	Version V3.0	Page 17-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
New	189274-31-5	Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)		
New	202189-84-2	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with 2-methyl-2-propanamine (1:1)		
New	341035-71-0	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9CI)		
New	350836-93-0	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1)		
New	425670-70-8	Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic		
New	421555-74-0	Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic		
New	421555-73-9	Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic		
New	41184-65-0	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1)		
New	41242-12-0	1-Hexanesulfonic acid,		



Issued Department ISO-QA	Version V3.0	Page 18-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
		1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1)		
New	911027-68-4	Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		
New	928049-42-7	Dibenzo[k,n][1,4,7,10,13]tetraoxathiacy clopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		
New	1000597-52-3	Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		
New	1310480-24-0	Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		
New	1310480-27-3	Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		
New	1310480-28-4	Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-		



Issued Department ISO-QA	Version V3.0	Page 19-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
		naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		
New	144116-10-9	Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		
New	1462414-59-0	Quinolinium, 1-(carboxymethyl)-4-[2-[4-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		
New	153443-35-7	Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		
New	213740-81-9	Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		
New	341548-85-4	Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)		
New	<i>Perfluorohexane sulfon amides</i>			
New	41997-13-1	Perfluorohexane sulfon amide		0.1 ppm
New	<i>Perfluorohexane sulfon halides</i>			
New	423-50-7	Perfluorohexanesulphonyl fluoride		0.1 ppm
New	<i>Perfluorooctane sulphonic acid and its salts</i>			
New	70225-14-8	Diethanolamine perfluorooctane sulfonate		0.1 ppm



Issued Department ISO-QA	Version V3.0	Page 20-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
New	29081-56-9	Ammonium perfluorooctane sulfonate		
New	29457-72-5	Lithium perfluorooctane sulfonate		
New	1763-23-1	Perfluorooctane sulfonic acid		
New	2795-39-3	Potassium heptadecafluoro-octane-1-sulphonate		
New	45298-90-6	Perfluorooctane sulfonate		
New	56773-42-3	Ethanaminium, N,N,N-triethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)		
New	251099-16-8	1-Decanaminium, N-decyl-N,N-dimethyl- , 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)		
New	Perfluorooctane sulfon amides			
New	754-91-6	Perfluorooctane sulfonamide		
New	31506-32-8	Heptadecafluoro-N-methyloctane sulfonamide		0.1 ppm
New	Perfluorooctane sulfon amidoethanols			
New	24448-09-7	Heptadecafluoro-N-methyloctane sulfonamideoethanol		0.1 ppm
New	4151-50-2	1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro		
New	1691-99-2	1-Octanesulfonamide, N-ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-(2-hydroxyethyl)		
New	Perfluorooctane sulfon halides			
New	307-35-7	1-Octanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-		0.1 ppm



Issued Department ISO-QA	Version V3.0	Page 21-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
		heptadecafluoro-		
Phthalates – including all other esters of ortho-phthalic acid				
Update	117-81-7	Di(ethylhexyl) phthalate (DEHP)	All chemicals & Preparations	10 ppm
Update	117-82-8	Bis(2-methoxyethyl) phthalate (DMEP)		10 ppm
Update	117-84-0	Di-n-octyl phthalate (DNOP)		10 ppm
Update	26761-40-0	Di-iso-decyl phthalate (DIDP)		10 ppm
Update	28553-12-0	Di-isononyl phthalate (DINP)		10 ppm
Update	84-75-3	Di-n-hexyl phthalate (DnHP)		10 ppm
Update	84-74-2	Dibutyl phthalate (DBP)		10 ppm
Update	85-68-7	Butyl benzyl phthalate (BBP)		10 ppm
Update	84-76-4	Dinonyl phthalate (DNP)		10 ppm
Update	84-66-2	Diethyl phthalate (DEP)		10 ppm
Update	131-16-8	Di-n-propyl phthalate (DPRP)		10 ppm
Update	84-69-5	Di-isobutyl phthalate (DIBP)		10 ppm
Update	84-61-7	Di-cyclohexyl phthalate (DCHP)		10 ppm
Update	27554-26-3	Di-iso-octyl phthalate (DIOP)		10 ppm
Update	68515-42-4	1,2-benzenedicarboxylic acid, di-C7-11-branched and linearalkyl esters (DHNUP)		10 ppm
Update	71888-89-6	1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)		10 ppm
Update	605-50-5, 131-18-0, 776297-69-9, 84777-06-0	Di-penty Phthalate (n-, iso-, or mixed) (DPP/DPENP)		10 ppm for each
New	68515-50-4	Di-hexyl Phthalate, branched and linear, DHxP (DHP)		10 ppm
New	131-11-3	Dimethylphthalate (DMP)		10 ppm
New	71850-09-4	Di-iso-hexyl Phthalate		10 ppm



Issued Department ISO-QA	Version V3.0	Page 22-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
New	68515-51-5/68648-93-1	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq$ 0.3% of dihexyl phthalate		1000 ppm
Total Heavy Metals				
	7440-36-0	Antimony (Sb)	All chemicals & Preparations	dyes 50 ppm/ pigment 250 ppm
	7440-38-2	Arsenic (As)		50 ppm
	7440-43-9	Cadmium (Cd)		20 ppm (50 ppm for pigments)
	7439-97-6	Mercury (Hg)		4 ppm (25 ppm for pigments)
	7439-92-1	Lead (Pb)		50 ppm
	18540-29-9	Chromium (VI)		10 ppm
	7782-49-2	Selenium (Se)		dyes 20 ppm/ pigments 100 ppm
	7440-66-6	Zinc (Zn)		500 ppm
	7440-50-8	Copper (Cu)		250 ppm
	7440-02-0	Nickel (Ni)		250 ppm
	7439-89-6	Iron (Fe)		500 ppm





Issued Department ISO-QA	Version V3.0	Page 23-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
	7439-96-5	Mangan (Mn)		500 ppm
	7440-22-4	Silver (Ag)		100 ppm
	7440-31-5	Tin (Sn)		250 ppm
	7440-47-3	Chromium		Dyes and pigment 100 ppm
	7440-39-3	Barium		Dyes and pigment 100 ppm
	7440-48-4	Cobalt		Dyes 500 ppm
UV absorbers				
	36437-37-3	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec- butyl)phenol (UV-350)	All chemicals & Preparations	1000 ppm
	3846-71-7	2-Benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)		1000 ppm
Update	3864-99-1	2,4-Di-tert-butyl-6-(5-chlorobenzotriazol-2- yl)phenol (UV-327)		300 ppm
Update	25973-55-1	2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328)		300 ppm
	2440-22-4	Drometrizole		1000 ppm
Volatile Organic Compounds (VOCs)				
	71-43-2	Benzene	All chemicals & Preparations	50 ppm
	1330-20-7	Xylene		500 ppm
	95-48-7	o-cresol		500 ppm
	106-44-5	p-cresol		500 ppm
	108-39-4	m-cresol		500 ppm
	120-51-4	Benzyl benzoate		1000 ppm
Update	75-12-7	Formamide		100 ppm



Issued Department ISO-QA	Version V3.0	Page 24-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
	75-15-0	Cacbon disulphide		1000 ppm
	108-94-1	Cyclohexanone		1000 ppm
	98-86-2	Acetophenone		1000 ppm
	617-94-7	2-Phenyl-2-propanol		1000 ppm
Bisphenols				
New	77-40-7	Bisphenol B (BPB)	All chemicals & Preparations	100 ppm
	80-09-1	Bisphenol S (BPS)		
	620-92-8	Bisphenol F (BPF)		
	1478-61-1	Bisphenol AF (BPAF)		
Glue				
Update	108-88-3	Toluene	All chemicals & Preparations	100 ppm
New	123-31-9	Hydroquinone	Cyanoacrylates	1000 ppm
	7446/09/05	Sulfur Dioxide		
Update	67-56-1	Methanol	Water based PVAc	1000 ppm
Update	872-50-4	N-Methylpyrrolidone (NMP)	Water based PU	50 ppm
New	2687-91-4	N-Ethyl-2-pyrrolidone (NEP)		50 ppm
New	26471-62-5	m-tolyldiene diisocyanate	PU solvent, 2K non-solvent PU	10000 ppm
New	9016-87-9	isocyanic acid, polymethylenepolyphenylene ester	Neoprene adhensives	30000 ppm
New	122-39-4	Diphenylamine	All chemicals & Preparations	1000 ppm
New	77-58-7	Dibutyltin dilaurate	Water based PU/PUR	1000 ppm
Silicons				
New	541-02-6	D5 decamethyl cyclopentasiloxane	All chemicals & Preparations	1000 ppm
New	540-97-6	D6 Dodecamethyl		



Issued Department ISO-QA	Version V3.0	Page 25-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
		cyclohexasiloxane		
Update	556-67-2	Octamethylcyclotetrasiloxane		
Paraphenylene Diamine and related compound				
	106-50-3	Paraphenylene Diamine	All chemicals & Preparations	500 ppm
	95-54-5	o-Phenylene diamine and its salts		
New	108-45-2	m-phenylediamine (MPD)		
New	101-54-2	p-Aminodiphenylamine (PADPA)		
New	101-72-4	N-isopropyl-N'-phenyl-p-phenylenediamine (IPPD)		
New	793-24-8	N-1,3-dimethylbutyl-N'-phenyl-p-phenylenediamine (DMBPPD)		
New	15233-47-3	N-(1-methylheptyl)-N'-phenyl-p-phenylenediamine (MHPPD)		
Aldehydes (New)				
Update	107-02-8	Acrolein	All chemicals & Preparations	50 ppm
Update	75-07-0	Acetaldehyde		500 ppm
Update	111-30-8	Glutaraldehyde		1000 ppm
Others				
	50-00-00	Formaldehyde Content	All chemicals & Preparations	5000 ppm
	84777-06-6	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear		500 ppm
	629-14-1	1,2-Diethoxyethane		<500 ppm
	106-99-0	1,3-Butadiene		<500 ppm
Update	96-23-1	1,3-Dichloro-2-propanol		100 ppm
Update	111-41-1	2-(2-Aminoethylamino) ethanol		10 ppm
	131-55-5	2,2',4,4'-Tetrahydroxybenzophenone		<500 ppm
	71011-12-6 68920-70-7 61788-76-9	Chlorinated Paraffins (CP) of unspecified carbon chain length and degree of chlorination, various CAS No's including:	All chemicals & Preparations	<10 ppm



Issued Department ISO-QA	Version V3.0	Page 26-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
	63449-39-8 85535-84-8 85535-85-9 85422-92-0	Alkanes, C12-13, chloro Alkanes, C6-18, chloro Alkanes, chloro Paraffin waxes and hydrocarbon waxes, chloro Short-chain chlorinated paraffins (SCCP), C10-13 Medium-chain chlorinated paraffins (MCCP), C14-17 Long-chain chlorinated paraffins (LCCP) with C>17		
	25637-99-4 3194-55-6 134237-50-6 134237-52-8	Hexabromocyclododecane		<10 ppm
	87-68-3	Hexachlorobutadiene		<10 ppm
	76-01-7	Pentachloroethane		<10 ppm
Update	12767-90-7	Borate, zinc salt	All chemicals & Preparations	250 ppm
	91-22-5	Quinoline		1000 ppm
	14464-46-1	Silica (particles of respirable size)		usage ban
Update	375-73-5 or 59933-66-3	Perfluorobutane sulfonate (PFBS)	All chemicals & Preparations	10 ppm
Update	355-46-4	Perfluorohexane sulfonate (PFHxS)		0.1 ppm
	678-39-7	8:2 FTOH		1000 ppm
	27905-45-9	8:2 FTA		1000 ppm
Update	2058-94-8	Henicosafuoroundecanoic acid PFUnA		2 ppm
	375-92-8	Perfluorodecane Sulfonate (PFHpS)		1000 ppm
	126105-34-8	Perfluorodecane Sulfonate (PFDS)		1000 ppm
Update	96-29-7	2-Butanoneoxime	All chemicals & Preparations	50 ppm
	149-57-5	2-Ethylhexanoic acid		500 ppm



Issued Department ISO-QA	Version V3.0	Page 27-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
Update	1589-47-5	2-Methoxypropanol		50 ppm
Update	80-05-7	Bisphenol A		10 ppm
	25013-16-5	Butylated hydroxyanisol (BHA)		500 ppm
	111-42-2	Diethanolamine (and related fatty acid esters and amides)		500 ppm
	53306-54-0	Di-Propylheptylphthalate (DPHP)		500 ppm
	78-93-3	Methyl ethyl ketone (2-Butanone)		500 ppm
Update	127-19-5	N,N-Dimethylacetamide (N,N-DMAC)		50 ppm
Update	68-12-2	N,N-Dimethylformamide (N,N-DMF)		50 ppm
	85-44-9	Phthalic anhydride		500 ppm
	100-42-5	Styrene		500 ppm
	126-73-8	Tributylphosphate		500 ppm
	108-05-4	Vinylacetate		500 ppm
Update	126-99-8	2-Chlorobuta-1,3-diene		100 ppm
	5466-77-3	2-Ethylhexyl-4-methoxycinnamate		500 ppm
Update	75-55-8	2-Methylaziridine (Propylenimine)		10 ppm
Update	79-46-9	2-Nitropropane		100 ppm
	563-47-3	3-Chloro-2-methylpropene		500 ppm
Update	60-11-7	4-Dimethylaminoazobenzene		200 ppm
	4994-16-5	4-Phenylcyclohexene		500 ppm
	100-40-3	4-Vinylcyclohexene		500 ppm
	81-15-2	5-Tert-butyl-2,4,6-trinitro-m-xylene		500 ppm
	79-06-1	Acrylamide		500 ppm
Update	107-13-1	Acrylonitrile		100 ppm
Update	103-33-3	Azobenzene		100 ppm
	110-65-6	But-2-yne-1,4-diol		500 ppm
	94-26-8	Butylparaben		500 ppm
	61789-80-8	Di(hydrogenated tallow alkyl) dimethylammonium chloride		500 ppm



Issued Department ISO-QA	Version V3.0	Page 28-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
	107-64-2	Di(stearyl) dimethylammonium chloride		500 ppm
	68783-78-8	Di(tallow alkyl) dimetyl-ammoniumchloride		500 pmm
	123-77-3	Diazene-1,2-dicarboxamide (C,C'- azodiformamide, Azodicarboxamid)		500 ppm
	140-01-2	Diethylene triamine pentaacetic acid (DTPA), sodium salt		500 ppm
Update	77-78-1	Dimethylsulfate		100 ppm
	101-68-8	Diphenylmethane diisocyanate (MDI)		500 ppm
Update	106-89-8	Epichlorohydrin		100 ppm
	120-47-8	Ethyl paraben		500 ppm
	140-88-5	Ethylacrylate		500 ppm
	103-78-23-1	Ethylene diamine tetraacetic acid (EDTA), sodium salt		500 ppm
	75-21-8	Ethylene Oxide		500 ppm
Update	151-56-4	Ethyleneimine		100 ppm
	91031-62-8	Fatty acids, C16-18, lead salts: leads dipalmitate (239-870-3), lead distearate (214-005-2), fatty acids C16-18 (266-928-5)		500 ppm
Update	25214-70-4	Formaldehyde, oligomeric reaction products with aniline		20 ppm
	99-76-3	Methylparaben		500 ppm
	74-87-3	Methylchloride		500 ppm
	79-16-3	N-Methylacetamide		500 ppm
Update	924-42-5	N-Methylolacrylamide		100 ppm
New	16940-66-2	Sodium borohydride		250 ppm
	776297-69-9	N-Pentyl-isopentylphthalate		500 ppm
	88-12-0	N-Vinyl-2-pyrrolidone		500 ppm



Issued Department ISO-QA	Version V3.0	Page 29-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
	list not exhaustive 6419-19-8 1429-50-1 15827-60-8 2809-21-4	Phosphonates, e.g. Nitrilotri(methylphosphonic acid) Ethylenebis(nitrilodimethylene)tetraphosphonic acid Diethylenetriaminepenta(methylene-phosphonic acid) 1-Hydroxyethylidenediphosphonic acid		500 ppm
	99-96-7	p-Hydroxybenzoic acid		500 ppm
Update	26264-10-8 2052-07-5 2113-57-7 92-66-0 13029-09-9 92-86-4 59080-32-9 51202-79-0 60044-24-8 60044-25-9 67888-96-4 59080-39-6 59080-40-9 6355-01-8 27858-07-7, 61288-13-9 27753-52-2 69278-62-2 119264-62-9 119264-63-0 13654-09-6	Polybrominated biphenyls (PBBs): Monobromobiphenyl 2-Bromobiphenyl 3-Bromobiphenyl 4-Bromobiphenyl 2,2'-Dibromobiphenyl 4,4-Dibromobiphenyl 2,6-Dibromo-1,1'-biphenyl Tribromobiphenyl 2,2',4,5'-Tetrabromobiphenyl 2,2',5,6'-Tetrabromobiphenyl 2,2',4,5,5'-Pentabromobiphenyl 2,2',4,5',6-Pentabromobiphenyl 2,4,5,2',4',5'-Hexabromobiphenyl Heptabromobiphenyl Octabromobiphenyl Nonabromobiphenyl 2,2',3,3',4,4',5,5',6 Nonabromobiphenyl 2,2',3,3',4,4',5,6,6' Nonabromobiphenyl 2,2',3,3',4,5,5',6,6' Nonabromobiphenyl Decabromobiphenyl		250 ppm
	94-13-3	Propylparaben		500 ppm





巨竹紡織工業責任有限公司  
HUGE-BAMBOO ENTERPRISE CO.,LTD



Issued Department ISO-QA	Version V3.0	Page 30-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
	75-56-9	Propyleneoxide		500 ppm
	56-23-5	Tetrachloromethane (Carbon Tetrachloride)		500 ppm
	116-14-3	Tetrafluorethene		500 ppm
Update	109-99-9	Tetrahydrofuran		100 ppm
	62-56-6	Thiourea		500 ppm
	584-84-9	Toluene diisocyanate (TDI)		500 ppm
Update	67-66-3	Trichloromethane (Chloroform)		100 ppm
Update	512-56-1	Trimethylphosphate		50 ppm
Update	75-01-4	Vinylchloride		100 ppm
	122-99-6	2-Phenoxyethanol		500 ppm
	100-51-6	Benzyl alcohol		500 ppm
	92-52-4	Biphenyl		500 ppm
	111-40-0	Diethylenetriamine		500 ppm
	107-15-3	Ethylenediamine		500 ppm
	822-06-0	Hexamethylene diisocyanate (HDI)		500 ppm
	100-97-0	Hexamethylene tetramine (Urotropine)		500 ppm
	4098-71-9	Isophorone diisocyanate (IPDI)		500 ppm
	126-71-6	Tri-iso-butylphosphate		500 ppm
	100-41-4	Ethylbenzene		500 ppm
	104-27-8	1-(p-Methoxyphenyl)-1-penten-3-one	All chemicals & Preparations	1000 ppm
	90-12-0	1-Methylnaphthalene		900 ppm
	6248-20-0	2,4-Dihydroxy-3-methylbenzaldehyde		900 ppm
	91-57-6	2-Methylnaphthalene		1000 ppm
	25677-40-1	2-Pentylidene-cyclohexanone		1000 ppm
	40607-48-5	3,7-Dimethyl-2-octen-1-ol (6,7-Dihydrogeraniol)		1000 ppm
	1117-41-5	3,6,10-Trimethyl-3,5,9-undecatrien-2-one		1000 ppm
	127-51-5	3-methyl-4-(2,6,6-trimethyl-2-cyclohexen		1000 ppm



Issued Department ISO-QA	Version V3.0	Page 31-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
<b>HB's MRSL</b>				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
		-1-yl)-3-buten-2-one		
	943-88-4	4-(p-Methoxyphenyl)-3-butene-2-one		1000 ppm
	17874-34-9	4,6-Dimethyl-8-tert-butylcoumarin		1000 ppm
	100-45-8	4-Cyanocyclohexene		1000 ppm
	622-62-8	4-Ethoxyphenol		1000 ppm
	103-11-7	2-Ethylhexyl acrylate		1000 ppm
	150-76-5	4-Methoxyphenol		1000 ppm
	122-57-6	4-Phenyl-3-buten-2-one		1000 ppm
	13706-86-0	5-Methyl-2,3-hexanedione		1000 ppm
	141-10-6	6,10-Dimethyl-3.5,9-undecatrien-2-one		1000 ppm
	34131-99-2	6-Isopropyl-2-decahydronaphthalenol		1000 ppm
	92-48-8	6-Methylcoumarin		1000 ppm
	26651-96-7	7,11-Dimethyl-4.6,10-dodecatrien-3-one		1000 ppm
	87-05-8	7-Ethoxy-4-methylcoumarin		1000 ppm
	531-59-9	7-Methoxycoumarin		1000 ppm
	2445-83-2	7-Methylcoumarin		1000 ppm
	122-40-7	Amyl cinnamal		1000 ppm
	101-85-9	Amylcinnamyl alcohol		1000 ppm
	105-13-5	Anisyl alcohol		1000 ppm
	103-41-3	Benzyl cinnamate		1000 ppm
	140-29-4	Benzyl cyanide		1000 ppm
	118-58-1	Benzyl salicylate		1000 ppm
	141-32-2	Butylacrylate		1000 ppm
	97-88-1	Butylmethacrylate		1000 ppm
	104-55-2	Cinnamal		1000 ppm
	104-54-1	Cinnamyl alcohol		1000 ppm
	5392-40-5	Citral		1000 ppm
	106-22-9	Citronellol		1000 ppm
	8050-09-7	Colophony (Rosin)		1000 ppm



巨竹紡織工業責任有限公司  
HUGE-BAMBOO ENTERPRISE CO.,LTD



Issued Department ISO-QA	Version V3.0	Page 32-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
	91-64-5	Coumarin		1000 ppm
	4756-19-8	Cyclamen alcohol		1000 ppm
	141-05-9	Diethyl maleate		1000 ppm
	119-84-6	Dihydrocoumarin		1000 ppm
	617-54-9	Dimethyl citraconate		1000 ppm
	1241-94-7	Diphenyl-2-ethylhexylphosphate		1000 ppm
	97-63-2	Ethylmethacrylate		1000 ppm
	97-53-0	Eugenol		1000 ppm
	4602-84-0	Farnesol		1000 ppm
	106-24-1	Geraniol		1000 ppm
	107-22-2	Glyoxal		2000 ppm
	700-82-3	Hexahydrocoumarin		1000 ppm
	101-86-0	Hexyl cinnamaldehyde		1000 ppm
	13393-93-6	Hydroabietyl alcohol		1000 ppm
	107-75-5	Hydroxycitronellal		1000 ppm
	31906-04-4	Hydroxy- methylpentylcyclohexenecarboxaldehyde		1000 ppm
	97-54-1	Isoeugenol		1000 ppm
	80-54-6	Lilial		1000 ppm
	78-70-6	Linalool		1000 ppm
	149-30-4	Mercaptobenzothiazole		1000 ppm
	79-39-0	Methacrylamide		1000 ppm
	623-43-8	Methyl trans-2-butenate		1000 ppm
	96-33-3	Methylacrylate		1000 ppm
	80-62-6	Methylmethacrylate		1000 ppm
	78-42-2	Tri(2-ethylhexyl) phosphate		1000 ppm
	138-86-3 5989-27-5 5989-54-8	Terpene hydrocarbons: $\alpha$ -Limonene D-Limonene L-Limonene		1000 ppm



Issued Department ISO-QA	Version V3.0	Page 33-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
<b>HB's MRSL</b>				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
	2778-42-9	Tetramethylxylene diisocyanate (TMXDI)		1000 ppm
	18829-55-5	Trans-2-heptenal		1000 ppm
	67746-30-9	Trans-2-Hexenal diethyl acetal		1000 ppm
	18318-83-7	Trans-2-Hexenal dimethyl acetal		1000 ppm
	111-76-2	2-Butoxyethanol		50000 ppm
	112-07-2	2-Butoxyethylacetate		50000 ppm
	104-76-7	2-Ethylhexanol		50000 ppm
	64-19-7	Acetic acid		50000 ppm
	67-64-1	Acetone		50000 ppm
	62-53-3	Aniline		50000 ppm
	105-60-2	Caprolactam		50000 ppm
	108-93-0	Cyclohexanol	All chemicals & Preparations	50000 ppm
	103-23-1	Di(2-ethylhexyl)adipate		50000 ppm
	111-46-6	Diethyleneglycol		50000 ppm
	107-21-1	Ethylene glycol		50000 ppm
	64-18-6	Formic acid		50000 ppm



Issued Department ISO-QA	Version V3.0	Page 34-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
	142-16-5	Maleic acid bis(2-ethylhexyl)ester		50000 ppm
	71-36-3	n-Butanol		50000 ppm
	108-95-2	Phenol		50000 ppm
	121-44-8	Triethylamine		50000 ppm
Update	123-91-1	1,4-Dioxane		1000 ppm
	107-98-2	1-Methoxy-2-propanol		50000 ppm
	108-65-6	1-Methoxy-2-propanolacetate		50000 ppm
	108-03-2	1-Nitropropane		50000 ppm
	112-34-5	2-Butyldiglycol		50000 ppm
	107-07-3	2-Chloroethanol		50000 ppm
	123-42-2	4-Hydroxy-4-methylpentane-2-one		50000 ppm
	110-82-7	Cyclohexane		50000 ppm
	141-02-6	Fumaric acid bis(2-ethylhexyl)ester		50000 ppm
	100-61-8	N-Methylaniline		50000 ppm
	75-50-3	Trimethylamine		50000



Issued Department ISO-QA	Version V3.0	Page 35-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
<b>HB's MRSL</b>				Effective Until 2023, December 8th

Update /New	CAS No.	Substances	Huge Bamboo Scope	Limit value
				ppm
	10043-35-3, 11113-50-1	Boric acid (H3BO3)		500 ppm
	1303-96-4, 1330-43-4, 12179-04-3 215-540-4	Disodium tetraborate anhydrous (Na2B4O7)		500 ppm
	7646-79-9	Cobalt dichloride (CoCl2)		500 ppm
	513-79-1	Cobalt carbonate (CoCO3)		500 ppm
	71-48-7	Cobalt diacetate (Co(HCO3)2)		500 ppm
	10141-05-6	Cobalt dinitrate (Co(NO3)2)		500 ppm
	10124-43-3	Cobalt Sulphate (CoSO4)		500 ppm

### 3. COMPLIANCE COMMITMENT-CAM KẾT TUÂN THỦ:

We hereby certify that all our products are in compliance with the HB's MRSL. All the materials used have been tested and found to be within the threshold limits, and fulfill all respective legal requirements.

We agree to be held fully liable for all loss and damage suffered by Huge Bamboo as a result of any non-compliance with this MRSL or that any hazardous substances are found in any of the materials, components or products supplied by us to Huge Bamboo with effect from the Effective Date. We confirm that we have been specifically informed by Huge Bamboo about the content of the MRSL and hereby agree to comply with all requirements contained therein.

Chúng tôi chứng nhận rằng tất cả các sản phẩm của chúng tôi đều tuân thủ yêu cầu của HB's MRSL. Tất cả các nguyên liệu được sử dụng đã được kiểm tra và tìm thấy nằm trong giới hạn cho phép, và thỏa mãn tất cả các yêu cầu pháp lý tương ứng.

Chúng tôi đồng ý chịu hoàn toàn trách nhiệm cho những tổn thất và hư hại làm ảnh hưởng đến HB do kết quả của việc không tuân thủ với yêu cầu này, hoặc bất kỳ chất độc hại nào được tìm thấy vượt quá giới hạn cho phép trong bất kỳ nguyên liệu, thành phần hay sản phẩm nào cung cấp cho HB thực thi kể từ ngày có hiệu lực. Chúng tôi khẳng định rằng chúng tôi đã được thông báo cụ thể bởi HB về nội dung của yêu cầu và đồng ý tuân thủ với tất cả các yêu cầu có trong đó.



巨竹紡織工業責任有限公司  
HUGE-BAMBOO ENTERPRISE CO.,LTD



Issued Department ISO-QA	Version V3.0	Page 36-37	Issued Date 2022, December 1th	Effective Date 2022, December 8th
HB's MRSL				Effective Until 2023, December 8th

我們證明我們所有的產品都符合 HB 的要求。使用的所有材料已經過測試及允許在範圍內，滿足所有的法律要求。

我們同意承擔全部責任若未遵守要求引起的損失和破壞影響到 HB，或任何有毒物質的結果發現有超過允許的限額，在提供給 HB 的任何材料，成分或產品中從執行日期起效。我們確認，我們有 HB 告知具體內容並同意遵守其中所有的要求。

Date\_Ngày

Representative\_Người Đại Diện

Title\_Chức Vụ

Signature & Company's Chop\_Chữ ký và Con Dấu