



**MRSL**



**CERTIFICATE OF COMPLIANCE**

**TOPKING INDUSTRIAL LTD./ JIANGMEN YIXIN TANNING CO. LTD.**

- The signing party acknowledges receipt, understanding and compliance with **Asiatan/TecTuff Chemical Management Policy** available at <http://www.asiatan.com/policy>
- The signing party hereby certifies that the products being shipped to Topking Industrial Ltd./Jiangmen Yixin Tanning Co. Ltd. comply with the **Asiatan/TecTuff MRSL** requirements listed on page 2 and 3, available at <http://www.asiatan.com/policy> and the **ZDHC MRSL Version 2.0** available at <https://mrsl.roadmaptozero.com/>
- The signing party shall ensure that the required chemical Material Safety Data sheets (MSDS) are provided in English and Chinese for each chemical product and that the MSDS will conform to the GHS standard.
- The signing party shall ensure that the shipped/supplied product information is provided in an accurate and updated manner.
- The signing party shall review and sign when the requirements are updated as per Asiatan/Tectuff Policy.
- The signing party agrees to be held liable for all costs/claims incurred should any of their products fail testing compliance for Asiatan/TecTuff MRSL and/or ZDHC MRSL Version 2.0

**Company:**

\_\_\_\_\_

**Address:**

\_\_\_\_\_

**Facility Location:**

\_\_\_\_\_

**Name (please print):**

\_\_\_\_\_

**Title (G.M. or above):**

\_\_\_\_\_

**Signature & Seal:**

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RESTRICTED CHEMICAL		COMPLIANCE LIMIT	TEST METHOD
Dyes	Azo (Forming Restricted Amines)	150 ppm	LC, GC-MS EN ISO 17234-1, EN ISO 17234-2
	Navy Blue Colorant	250 ppm	LC
	Carcinogenic	250 ppm	LC
Chlorobenzenes and Chlorotoluenes	1,2 – dichlorobenzene*	500 ppm	GC-MS
	Other	Sum = 200 ppm	
Fat Liquoring Agent	Short Chain Chlorinated Paraffin (SCCP C10 – C13)	250 ppm	GC/ECNI-MS EN ISO 18219
	Medium Chain Chlorinated Paraffin (MCCP C14 – C17)*	500 ppm	
Formaldehyde		100 ppm	ISO 17226-1
Flame Retardants		250 ppm	GC-MS
Glycol Ethers	2-methoxypropylacetate	1000 ppm	HPLC, LC-MS
	Other	50 ppm	
Halogenated Solvents	Trichloroethylene	40 ppm	GC-MS
	Other	5 ppm	
Polycyclic Aromatic Hydrocarbons (PAHs)	Benzo[a]pyrene(BaP)	20 ppm	GC-MS
	Other	Sum = 200 ppm	
	Naphthalene	300 ppm	GC-MS, LC
Total Heavy Metals	Chromium VI	10 ppm	ICP-OES, AAS EN ISO 17075 ISO/ DIS 19071
	Cadmium	20 ppm (50 ppm for pigments)	
	Lead	100 ppm	
	Mercury	4 ppm (25 ppm for pigments)	
	Arsenic	50 ppm	
	Antimony*	Dye 50 ppm/Pigment 250 ppm	
	Chromium*	Dyes & Pigment 100 ppm	
	Barium*	Dyes & Pigment 100 ppm	
	Selenium*	Dyes 20 ppm/Pigment 100 ppm	
	Tin*	Dyes 250 ppm	
	Nickel*	Dyes 250 ppm	
	Copper*	Dyes 250 ppm	
	Cobalt*	Dyes 500 ppm	
Silver*	Dyes 100 ppm		
NP & OP		250 ppm	LC-MS, GC-MS, EN ISO 18219-1/ EN ISO 18219-2
NPEO & OPEO		500 ppm	

Continued...

Signature & Seal: \_\_\_\_\_

RESTRICTED CHEMICAL		COMPLIANCE LIMIT	TEST METHOD
Organotin Compounds	Dibutyltin (DBT)	20 ppm (100 ppm for PU based thickeners used at <20% loading)	GC-MS, LRMS
	TeET, TPT, TeBT, TeOT, TCyHT*	1 ppm	
	Other Mono-, Di-, Tri- methyltin, Octyltin, Phenyltin, Butyltin derivatives, Dipropyltin Compounds (DPT)	5 ppm	
Chlorophenols	Tetrachlorophenol (TECP) & Pentachlorophenol (PCP)	Sum = 20 ppm	GC-MS EN ISO 17070
	Other Chlorophenols	Sum = 50 ppm	
Perflourinated & Polyflourinated Chemicals (PFCs)	PFOS and related substances	Sum = 2 ppm	LC-MS
	PFOA and related substances*	PFOA = 25 ppb Related Substances = 1000 ppb	
Phthalates		Sum = 250 ppm	GC-MS
Anti-Microbial & Biocides	Permethrin*	250 ppm	LC MS/MS, GC MS/MS, DAD
	Triclosan*		
UV Absorbers*		1000 ppm	Solvent extraction, LC-MS/MS, GC-MS
Volatile Organic Compounds (VOC)	Benzene	50 ppm	GC-MS
	Xylene*	500 ppm	GC-MS
	o-cresol, p-cresol, m-cresol	500 ppm	GC-MS
Miscellaneous Chemicals	Borate, Zinc Salt*	1000 ppm	Acid Digestion, ICP
	Bisphenol A*	100 ppm	Solvent extraction, LC-MS/MS, GC-MS
	Thiourea*	1000 ppm	Solvent Extraction, LC-MS/MS
	Quinoline*	1000 ppm	DIN 54231

\* NEW Update from previous version of Asiatan/TecTuff MRSL

Updated: January 2020

Signature & Seal: \_\_\_\_\_