

Crocs Restricted Substance Policy

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Introduction

Since our beginning in 2002, we have grown to become a world leader in casual lifestyle footwear. Our iconic global brand offers customers a wide range of quality, fun, fashionable, and affordable footwear. We prioritize efforts that make the earth a better place for everyone by creating products that are responsibly sourced and manufactured.

With these values in mind, we are pleased to announce our Earth-at-Heart Initiatives which emphasizes **safety, social responsibilities**, and **caring** in manufacturing Crocs' products. As a Crocs' partner, we expect your organization to fully and actively participate in Earth-at-Heart. We are dedicated to conducting business with partners and suppliers who share our values.

- **Safety:** Crocs is committed to compliance with all applicable regulations, laws, bans, and standards, especially those pertaining to chemical substances that may be used in our products and in the manufacturing process. We regularly update the Crocs Restricted Substance List (CRSL) which proactively content limits below the allowable limits in the jurisdictional areas where our products are manufactures and sold.
- **Social Responsibilities:** Crocs is committed to observing all local labor standards, social norms, and all internationally recognized human rights standards.
- **Caring:** Crocs has developed these and other initiatives in an effort to improve the overall quality of our products and brand and contribute to making the earth a more caring, joyous, and long lasting place for our future generations.

Crocs requires your active participation and welcomes suggestions to enhance our efforts. Let's have Earth-at-Heart!

Purpose and Scope

The purpose of this policy document and the Crocs Restricted Substance List is to ensure regulatory compliance and protect and improve the Crocs' brand for Crocs shoes, Jibbitz shoes, and Jibbitz charms.

Crocs Restricted Substance List (CRSL) Policy

Crocs Commitment to Safety and Restricted Substances

Crocs is committed to the effective reduction and /or elimination of chemical substances in our products, as listed in the CRSL. To ensure timely and consistent messaging, an updated CRSL will be published regularly to address the ever changing chemical regulatory environment.

Our ultimate goal is to drastically reduce or eliminate listed chemicals and substances in our final products. Our interim goal is to establish chemical content limits lower than allowable limits required by international, national, and local regulations. The substances on the CRSL refer to best practice standards and may not be exhaustive. It is your organization's responsibility to ensure compliance with the CRSL and to otherwise meet all applicable legal requirements relating to restricted substances laws and regulations. Crocs expects all of our current and future factories, partners, and suppliers to take a proactive stance in limiting listed chemicals and eliminating any hazardous substances in the manufacture of Crocs' products.

Crocs takes very seriously any breach of or failure to comply with this CRSL as well as any applicable regulations, laws, bans, and standards. Crocs reserves the right to assert claims for any and all losses, damages and/or other injuries caused or contributed to by any non-compliance with the CRSL or other applicable international, national, or local regulations, laws, bans, or standards.

CRSL Compliance Timeframe

All products created after the Spring/Season 2010 collection must comply with CRSL. All updates to the CRSL are effective immediately upon publication of the CRSL or as otherwise required by the applicable regulations, laws, bans, or standards. It is your organization's responsibility to ensure compliance with the CRSL and these regulations.

Using the CRSL

The document consists of six parts:

1. The CRSL Process Flow Charts showing the required steps in monitoring, controlling, and complying with the CRSL;

2. A summary of the restricted substances to be eliminated, reduced, or limited in the production processes and final products;
3. The list of test requirements and test methods for each restricted substance, updated on an annual basis or as required with any material changes in existing regulations, laws, bans, or standards;
4. The list of Crocs Approved Test Laboratories (CATL) world-wide for testing and reporting findings and results;
5. NPI/Quarterly Systematic/Random Sampling Plan

Crocs will support your organization in complying with this CRSL. However Crocs requires that you study this CRSL carefully and ensure that your suppliers are provided and comply with the most up-to-date CRSL. Compliance with the CRSL is mandatory for each and every product being manufactured at or shipped from a Crocs affiliated factory. Please contact the Crocs CRSL Team if you have any questions or comments.

Testing and Verification Process

You shall ensure that the materials and final products are either (1) free of any listed restricted substances; or (2) below the limits set forth in the CRSL or the applicable international, national, or local regulations, laws, bans, and standards. Your organization shall conduct regular CRSL testing in accordance with the schedule listed in the CRSL to monitor and verify your compliance.

New Products

All materials, parts, and components for all new products (SS10 onwards) must be CRSL tested at a Crocs' Approved Testing Laboratories (CATL) and CATL test reports must be sent to the CRSL Team for verification and archiving. All completed test reports must be maintained by your organization for a minimum of 10 years. No new product shall be shipped without CRSL test compliance and transmission of the required CATL test report to the CRSL team.

CRSL Testing

All new materials and components must be CRSL tested and suppliers must be CRSL qualified before start production. Once the products are CRSL tested, no changes to materials, production processes (that utilized the listed restricted chemicals) or final products are allowed without CRSL retesting. CRSL test reports must be provided to the CRSL Implementation Manager for verification and archiving. It is the factory's responsibility to highlight any changes to the CRSL team and to ensure continued CRSL Compliance.

On-going Production

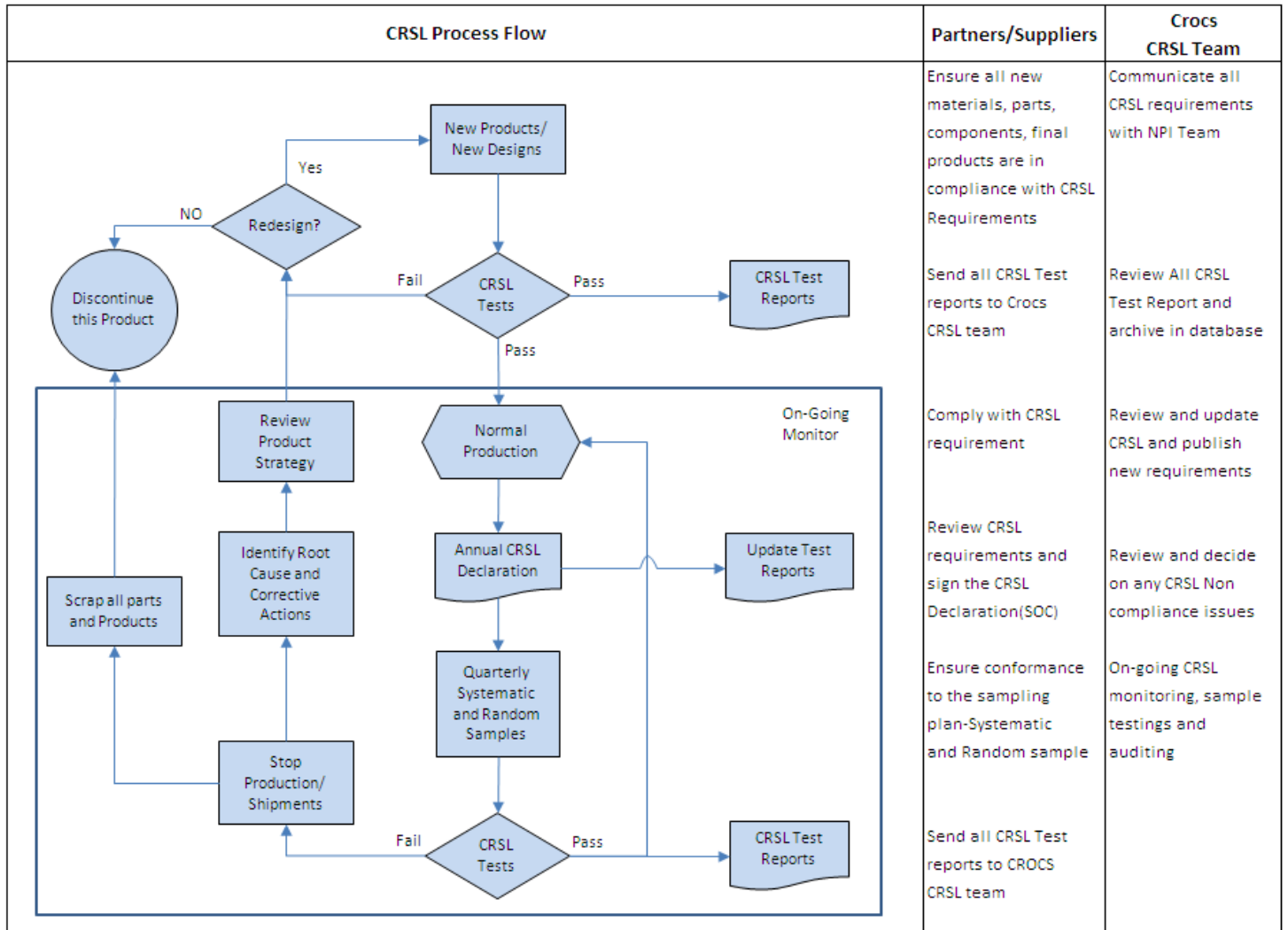
You must systematically and randomly test all materials, color lots, components and final products to ensure full CRSL compliance. The systematic testing shall be conducted every quarter, or as otherwise required by Crocs, shall include a test list of major production runners by color and test frequency. Random testing shall also be conducted as required by Crocs. A summary of the test plan shall be sent to the CRSL team at the end of the first month of every quarter. (See attached examples).

The CRSL Implementation Manager will also randomly select products from production and conduct quarterly finished shoe testing, material advance testing and recovery testing to verify the CRSL implementation status and accuracy of systematic testing. For recovery testing plan, please refer to T2 Supplier Restricted Substance Performance Classifications policy. The CRSL test results will be shared with our suppliers and partners.

Supplier and Partner Responsibilities

If any products do not meet the CRSL requirements, all production must be stopped, the CRSL Team must be immediately contacted and informed, and an immediate stop shipment order must be placed to terminate any products shipping from your facilities. Your organization will be held responsible for all attendant costs, losses, and/or damages caused by or arising out of CRSL non-compliance, including, but not limited to, any violation of any international, national, and/or local laws or regulations and any related fines or penalties. Please refer to the CRSL Process Flow for more information.

Cross Restricted Substance Control Process



Cross Restricted Substance List (CRSL)

Material	Polymer				Leather			Textile		Miscellaneous	Packaging				Chemical			
	Test Item	EVA; EVA Foam; PU Sockliner.	PU Foam	Rubber;TPU;	Nylon , TPR, TPE, Acryl, PVC,	Natural Leather (except PU Coated leather)	PU Coated Leather	Synthetic Leather	Natural Textile		Synthetic textiles, Blended textile	Size label; Content label	Ink, Paint, Dye, Surface coating	Metal, Electroplated		Insole board	Desiccant	Hangtag, Tissue paper, Carton box, Cardboard
Extractable Heavy Metals																		
Arsenic (As)	●	●	●	●	●	●	●	●	●	●	●	○						○
Antimony (Sb)	○	○	○	○	○	○	○	○	○	○	○	○						○
Cadmium (Cd)	●	●	●	●	●	●	●	●	●	●	●	○						○
Chromium (Cr)	●	●	●	●			●	●	●	●	●	○						○
Lead (Pb)	●	●	●	●	●	●	●	●	●	●	●	○						○
Mercury (Hg)	●	●	●	●	●	●	●	○	●	●	●	○						○
Copper (Cu)	●	●	●	●	○	○	●	○	●	○	●	○						○
Nickel (Ni)	●	●	●	●	○	○	●	○	●	○	●	○						○
Cobalt (Co)	●	●	●	●	○	○	●	○	●	○	●	○						○
Chromium (Cr VI)	○	○	○	○	●	●	○	●	●	○	○	○						
Total Cadmium (Cd)	●	●	●	●	○	●	●	○	●	●	●	●	●					● ⁵
Total Arsenic (As)	○	○	○	○	○	○	○	○	○	○	○	○						
Total Lead	●	●	●	●	●	●	●			●	●	●	●					●
Nickel (Ni) Release												●						
TPCH & 94/62/EC (Lead, Cadmium, Mercury (Cr VI))														●	●	●		
Dioxins and Furans	○	○	○	○	○	○	○	○	○	○	○							○
Bisphenol A (BPA)	○	○	○	○			○		○	○								
Ozone Depleting Substances	○	○	○	○		○	○		○	○								
pH Value	○	○			●	●	●	●	●									

Cross Restricted Substance List (CRSL)

Material	Polymer				Leather			Textile		Miscellaneous	Packaging		Chemical					
	Test Item	EVA; EVA Foam; PU Sockliner	PU Foam	Rubber;TPU;	Nylon , TPR, TPE, Acryl, PVC,	Natural Leather (except PU Coated Leather)	PU Coated Leather	Synthetic Leather	Natural Textile		Synthetic textiles, Blended textile	Size label; Content label		Ink, Paint, Dye, Surface coating	Metal, Electroplated	Insole board	Desiccant	Hangtag, Tissue paper, Carton box, Cardboard ,
Pentachlorophenol (PCP) Tetrachlorophenol (TeCP) o-Phenylphenol (oPP)	○	○	○	○	●	●	○	●	●		●							
Pesticides					●	●	○	●	● ¹									
Azo-amines and Arylamine Salts ¹	○	○	○	○	●	●	●	●	●	○	●							
Disperse Dyes ¹	○	○	○	○			●		●		●							
Polycyclic Aromatic Hydrocarbons (PAHs)	●	●	●	●		●	●	○	○*	○	●	○						
Formaldehyde	○	●	○	○	●	●	●	●	●	●	●			●				●
Polychlorinated Biphenyls (PCBs)	○	○	○	○	○	○	○	○	○	○	○							○
Chloroorganic Carries (COCs)	○	○	○	○	○	○	○	○	●		○							○
Dimethyl Fumarate (DMFu)	● ³	● ³		● ³	●	●	● ³	● ³	● ³						●	● ³		
Organic compound Tributyltin (TBT) Diocetyl tin (DOT) Monobutyltin (MBT) Dibutyltin (DBT) Triphenyltin (TPhT)	●	●	●	●	●	●	●	●	●	○	●							●
∑ of Tri substituted organotin compounds	○*	○*	○*	○*	○*	○*	○*	○*	○*	○*	○*				○*			

Cross Restricted Substance List (CRSL)

Material	Polymer				Leather			Textile		Size label; Content label	Miscellaneous				Packaging		Chemical
	Test Item	EVA; EVA Foam; PU Sockliner	PU Foam	Rubber; TPU;	Nylon, TPR, TPE, Acryl, PVC,	Natural Leather (except PU Coated leather)	PU Coated Leather	Synthetic Leather	Natural Textile		Synthetic textiles, Blended textile	Ink, Paint, Dye, Surface coating	Metal, Electroplated	Insole board	Desiccant	Hangtag, Tissue paper; Carton box, Cardboard,	
Phthalates (DEHP, DBP, BBP, DINP, DIDP, DNOP, DNHP, DIBP, DIHP, DHNUP, DMEP, iPnPP; DIPP&1,2-Benzenedicarboxylic acid dipenylsler, branched and linear ; DPP, DMP, DEP, DCHP, 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear.)	●	●	●	●		●	●			●	●				●	●	
Fluorinated Green House Gases	○	○	○	○		○	○		○								
Flame Retardants (PBB, pentaBDE, octaBDE, TRIS, TDCPP, HexaBB, TBBPA, TEPA, DecaBDE, HBCDD, TCEP, TetraBDE, HexaBDE, HeptaBDE)	○	○	○	○	○	○	○	○	○	○	○					○	
Middle Chain Chlorinated Paraffins (MCCPs)	○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	
Short Chain Chlorinated Paraffins (SCCPs)	●	●	●	●	○*	●	●	○	○	○	○	○	○	○		○	
Nonylphenol(NP), Octylphenol(OP), NonylphenolEthoxylates(NPEO), Octylphenol Ethoxylates(OPEO)	●	●	●	●	●	●	●	●	●	○	●					●	
Acetophenone; 2-phenyl-2-propanol	● ⁸		○													○	
Asbestos	○	○	○	○	○	○	○	○	○	○				○			
Perfluorooctane sulfonates (PFOS), Perfluorooctanoic acid (PFOA) & its salts and PFOA-related substance	● ²	● ²	● ²	● ²	● ²	● ²	● ²	● ²	● ²		● ²					○	

Cross Restricted Substance List (CRSL)

Material	Polymer				Leather			Textile		Size label; Content label	Miscellaneous				Packaging		Chemical
	EVA; EVA Foam; PU Sockliner	PU Foam	Rubber; TPU;	Nylon, TPR, TPE, Acryl, PVC,	Natural Leather (except PU Coated	PU Coated Leather	Synthetic Leather	Natural Textile	Synthetic textiles, Blended textile		Ink, Paint, Dye, Surface coating	Metal, Electroplated	Insole board	Desiccant	Hangtag, Tissue paper, Carton box, Cardboard,	Plastic bag; Plastic shoe insert; PP/Nylon hanger; Plastic tape,	
Volatile Organic Compounds(VOCs):																	
N-Methyl-2-pyrrolidone (NMP)						●	●									●	
Dimethylacetamide (DMAC)						●	●									●	
Dimethyl formamide (DMFa)	●	●				●	●									●	
Formamide	●															●	
Toluene																	
Xylene																	
Styrene																	
M-cresol																	
O-cresol																	
P-cresol																	
Methylene chloride																	
1,1,1,2-Tetrachloroethane																	
1,1,2,2-Tetrachloroethane																	
Chloroform	● ⁹	○	○	○						● ⁶						●	
1,1,2-Trichloroethane																	
1,1-Dichloroethylene																	
1,1,1-Trichloroethane																	
Carbon Tetrachloride																	
Pentachloroethane																	
Benzene																	
Phenol																	
n-hexane																	
Cyclohexane																	
Tetrahydrofuran																	

Crocs Restricted Substance List (CRSL)

Material	Polymer				Leather			Textile		Size label; Content label	Miscellaneous				Packaging		Chemical
	EVA;EVA Foam ; PU Sockliner	PU Foam	Rubber;TPU;	Nylon , TPR, TPE, Acryl, PVC,	Natural Leather (except PU Coated	PU Coated Leather	Synthetic Leather	Natural Textile	Synthetic textiles, Blended textile		Ink, Paint, Dye, surface coating	Metal, Electroplated	Insole board	Desiccant	Hangtag, Tissue paper,; Carton box, Cardboard ,	Plastic bag; Plastic shoe insert; PP/Nylon hanger; Plastic tape,	Adhesive, Glue; Primer; Solvents; Finishing agents
N-Nitrosamines			● ⁷														
Quinoline								○	○								
SVHC in REACH released by ECHA	●	●	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○

Remark:

● = Compulsive Test (Routine testing), ○ = non-mandatory random sampling

¹AZO-amines and Arylamine Salts & Disperse Dyes are not applied on white materials (except white coating).

² in **PFOS&PFOA** means materials with water proof /repellant treatment is required for this test.

³ in Dimethyl Fumarate (DMFu) means material treated with anti-mildew treatment is required for this test.

⁴ in Pesticides means material blended with natural textile is required for this test.

⁵Total cadmium (Cd) is required for adhesive only.

⁶VOC is required for solvent-based material only.

⁷ For rubber material only.

⁸ For EVA material only.

⁹ VOC is for EVA material only.

○* Substances will be tested by Crocs during randomly test.

*LED light products: Battery must be compliant with Directive 2006/66/EC (Mercury<5ppm, Cadmium<20ppm, Lead<40ppm); Other components have to meet RoHS. Phthalates requirement for LED light is below 500ppm in sum.

* Phthalates requirement for shoe lace tip is below 500ppm in sum.

*Latex is prohibited to be used on Crocs product.

Crocs-Jibbitz RSL (Restricted Substance List)

Substance	Limit	Unit	Polymers(Rubber/EVA/P U/TPU/Foam/Nylon/PVC) Thermoplastics	Natural Leather	PU Coated Leather	Synthetic leather	Natural Fibers	Synthetic Fibers (Nylon/PET)	Ink, Paint, Dye	Adhesive	Metal	Battery	Electronic parts	Packaging materials
Soluble Heavy Metals (EN 71-3)														
Aluminum (Al)	28,130	mg/kg	●	●	●	●	●	●	●	●	●			
Boron (B)	15,000	mg/kg	●	●	●	●	●	●	●	●	●			
Cobalt (Co)	130	mg/kg	●	●	●	●	●	●	●	●	●			
Copper (Cu)	7,700	mg/kg	●	●	●	●	●	●	●	●	●			
Manganese (Mn)	15,000	mg/kg	●	●	●	●	●	●	●	●	●			
Nickel (Ni)	930	mg/kg	●	●	●	●	●	●	●	●	●			
Strontium (Sr)	56,000	mg/kg	●	●	●	●	●	●	●	●	●			
Tin (Sn)	180,000	mg/kg	●	●	●	●	●	●	●	●	●			
Organic tin	12	mg/kg	●	●	●	●	●	●	●	●	●			
Zinc (Zn)	46,000	mg/kg	●	●	●	●	●	●	●	●	●			
Antimony (Sb)	560	mg/kg	●	●	●	●	●	●	●	●	●			
Arsenic (As)	47	mg/kg	●	●	●	●	●	●	●	●	●			
Barium (Ba)	18,750	mg/kg	●	●	●	●	●	●	●	●	●			
Chromium III (Cr III)	460	mg/kg	●	●	●	●	●	●	●	●	●			
Cadmium (Cd)	17	mg/kg	●	●	●	●	●	●	●	●	●			
Lead (Pb)	23	mg/kg	●	●	●	●	●	●	●	●	●			

Crocs-Jibbitz RSL (Restricted Substance List)

Substance	Limit	Unit	Polymers(Rubber/EVA/PU/TPU/Foam/Nylon/PVC) Thermoplastics	Natural Leather	PU Coated Leather	Synthetic leather	Natural Fibers	Synthetic Fibers (Nylon/PET)	Ink, Paint, Dye	Adhesive	Metal	Battery	Electronic parts	Packaging materials
Soluble Heavy Metals (EN 71-3)														
Mercury (Hg)	94	mg/kg	●	●	●	●	●	●	●	●	●			
Selenium (Se)	460	mg/kg	●	●	●	●	●	●	●	●	●			
Chromium VI (Cr VI)	0.053	mg/kg	●	●	●	●	●	●	●	●	●			
Lead (Total Lead in substrate)	40	ppm	●	●	●	●	●	●	●	●	●			●
Lead (Total Lead in surface coating) ⁴	40	ppm	●	●	●	●	●	●	●		●			●
Total Cadmium	40	ppm	●	○	●	●	●	●	●	●	●			
Nickel Release	0.5	ug/cm ² /week									●			
Phthalates (DEHP, DBP, BBP, DINP, DIDP, DCHP, DNOP, DNHP, DIBP, DIHP, DHNUP, DMEP, iPhPP, DIPP & 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear; DPP; DMP, DEP, 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear)	Prohibited	mg/kg	●	○	●	●		○	●	●				● ³
AZO-amines and Arylamine Salts	20 each	ppm		● ¹	● ¹	● ¹	● ¹	● ¹	● ¹					
Formaldehyde	16	ppm		●	●	●	●	●	●	●				
pH value	4.0~7.5	-		●	●	●	●	●						
Dimethyl Fumarate (DMFu)	N.D (<0.1)	mg/kg		●	●	● ²	● ²							● ²

Cross-Jibbitz RSL (Restricted Substance List)

Substance	Limit	Unit	Polymers(Rubber/ EVA/PU/TPU/Foam/Nylo n/PVC) Thermoplastics	Natural Leather	PU Coated Leather	Synthetic leather	Natural Fibers	Synthetic Fibers (Nylon/PET)	Ink, Paint, Dye	Adhesive	Metal	Battery	Electronic parts	Packaging materials
BPA	N.D (0.04)	mg/L	●											
Asbestos	Prohibited	-	○	○	○	○	○	○	○					○
TPCH & 94/62/EC (Lead, Cadmium, Mercury, Cr.VI)	total 100	ppm												●
Flame Retardants (PBBs, TBBPA pentaBDEs, octaBDE,TRIS,T DCPP, TEPA, DecaBDE, HBCDD, TCEP, TetraBDE, HexaBDE,Hepta BDE; HexaBB)	N.D (below 5ppm)	-	○	○	○	○	○	○						
RoHS Lead Cadmium Mercury Chromium PBBs PBDEs BBP DBP DEHP DIBP	1,000 100 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm											●	

Crocs-Jibbitz RSL (Restricted Substance List)

Substance	Limit	Unit	Polymers(Rubber/EVA/PU/TPU/Foam/Nylon/PVC) Thermoplastics	Natural Leather	PU Coated Leather	Synthetic leather	Natural Fibers	Synthetic Fibers (Nylon/PET)	Ink, Paint, Dye	Adhesive	Metal	Battery	Electronic parts	Packaging materials
SVHC (Substance of Very High Concern) 0.1	0.1	%	● ⁵	● ⁵	● ⁵	● ⁵	● ⁵	● ⁵	● ⁵	○	● ⁵	● ⁵	● ⁵	○

Remark:

AZO-amines and Arylamine Salts¹ is not applied on white materials (except white coating).

DMFu² is required on desiccant or material with anti-mildew treatment only.

Phthalates³ are required for PVC and plastic material only.

Total lead (Pb)⁴ is required for material with paint surface.

SVHC⁵ is required for finished product only.

EVA product is required to do VOC testing according to Crocs Shoe requirement.

VOC testing is required for the product with big odors. Big odor is defined as more than grade 3 by using SNV195651 method to test it.

CRSL Test Requirements and Methods

Test Items	CAS #	Crocs Requirement		Test Method
		For Child & Baby	For Adult	
Extractable Heavy Metals				
Arsenic (As)	7440-38-2	0.2 ppm	1.0 ppm	Leather: DIN EN ISO 17072-1:2019 Textile: EN 16711-2:2015 Others: ISO 105-E04:2013 in artificial sweat solution; extraction 1 hour @ 37 degrees with acid, ICP-MS analysis
Antimony (Sb)	7440-36-0	30 ppm	30 ppm	
Cadmium (Cd)	7440-43-9	0.1 ppm	0.1 ppm	
Chromium (Cr)	7440-47-3	1.0 ppm	2.0 ppm	
Lead (Pb)	7439-92-1	0.2 ppm	1.0 ppm	
Mercury (Hg)	7439-97-6	0.02 ppm	0.02 ppm	
Cooper (Cu)	7440-50-8	25.0 ppm	50.0 ppm	
Nickel (Ni)	7440-02-0	0.5 ppm	1.0 ppm	
Cobalt (Co)	7440-48-4	1.0 ppm	4.0 ppm	
Chromium VI (CrVI)	18540-29-9	Leather: N.D (<3.0 ppm); Textile: 1ppm	Leather: N.D (<3.0 ppm); Textile: 1ppm	Textiles: GB/T 17593.3-2006 EN ISO 17075-2:2017 with ageing ISO 10195-2018 method A2 (Ageing condition: 80°C, ≤10%RH,24hrs)
Total Cadmium (Cd)	7440-43-9	40 ppm	40 ppm	EN16711-1:2015; Leather: DIN EN ISO 17072-2:2019
Total Arsenic (As)	7440-38-2	10 ppm	10 ppm	
Total Antimony	7440-36-0	40 ppm	40 ppm	
Total Lead (Pb)	7439-92-1	40 ppm	40 ppm	Metal: CPSC-CH-E1001-08.3 Non-metal: CPSC-CH-E1002-08.3; Paint & other similar surface coating: CPSC-CH-E1003-09.1
Nickel (Ni) Release	7440-02-0	0.5µg/cm ² /week	0.5µg/cm ² /week	Non-nickel containing surface coatings: EN 12472:2005+A1:2009, EN 1811:2011+A1:2015 Non-coated article and article with nickel containing outer coatings: EN 1811:2011+A1:2015 Non-metallic article with plating: EN1811:2011+A1:2015
pH		Contact with skin directly: Textile:4.0-7.5 ; leather:3.5-7.5 Synthetic leather: 4.0-9.0 Non-contact with skin: Textile & synthetic leather: 4.0-9.0 Leather: 3.5-8.5		ISO 3071: 2020 (Textile & synthetic leather) ISO 4045: 2018 (leather)
Pentachlorophenol (PCP)	87-86-5	0.05 ppm	0.5 ppm	Leather: ISO17070:2015 Textile: 1 M KOH extraction, 16hrs at 90 degree C, derivatization and analysis § 64 LFGB B 82.02.8 Ink : GB/T24166: 2009
Tetrachlorophenol (TeCP)	25167-83-3	0.05 ppm	0.5 ppm	Ink : GB/T24166: 2009
o-Phenylphenol (oPP)	90-43-7	500 ppm	1,000 ppm	ISO 13365-2011
Formaldehyde	50-00-0	16 ppm	Contact with skin: 75 ppm Non-contact with skin: 300 ppm	Textile, synthetic leather, Insole board & other solid: ISO 14184-1: 2011; Liquid: ISO 27587; Leather: ISO 17226-2: 2018 or 1;
Polychlorinated Biphenyls (PCBs)				EPA 8082A:2007 modified
5.1.1 2, 2',5 Trichlorobiphenyl (PCB-18)	37680-65-2	Under detection limit (0.2 ppm)	Under detection limit (0.2 ppm)	
5.1.2 2,4,4' Trichlorobiphenyl (PCB-28)	7012-37-5			
5.1.3 2,2',5,5' Tetrachlorobiphenyl (PCB-52)	35693-99-3			

Test Items	CAS #	Crocs Requirement		Test Method
		For Child & Baby	For Adult	
5.1.4 2,2',4,4',5,5' Pentachlorobiphenyl (PCB-101)	37680-73-2			
5.1.5 2,2',3,4,4',5' Hexachlorobiphenyl (PCB-138)	35065-28-2			
5.1.6 2,2',4,4',5,5' Hexachlorobiphenyl (PCB-153)	35065-27-1			
5.1.7 2,2',3,4,4',5,5' Heptachlorobiphenyl (PCB-180)	35065-29-3			
Tributyltin (TBT)	688-73-3; 56573-85-4	0.05 ppm	0.05 ppm	ISO/TS 16179:2012 Footwear - Critical Substances Potentially Present in Footwear and Footwear Components - Determination of Organotin Compounds in Footwear Materials
Monobutyltin (MBT)	78763-54-9	1 ppm	1 ppm	
Dibutyltin (DBT)	1002-53-5	1 ppm	1 ppm	
Dioctyltin (DOT)	15231-44-4	500ppm	500ppm	
Triphenyltin (TPhT)	892-20-6	0.5 ppm	0.5 ppm	
∑ of Trisubstituted organotin compounds		1,000 ppm in sum	1,000 ppm in sum	
Tripropyltin (TPrT)				
Tributyltin (TBT)				
Trimethyltin (TMT)				
Trioctyltin (TOT)				
Triphenyltin (TPhT)				
Tricyclohexyltin (TcyT)				
Nonylphenol (NP)	Various	Sum of AP: 50 ppm NPEO & OPEO: 100 ppm for each	Sum of AP: 50 ppm NPEO & OPEO: 100 ppm for each	AP: Textiles and Leather: EN ISO 21084:2019. Polymers and all other materials: 1 g sample/20 mL THF, sonication for 60 minutes at 70 degrees C, analysis according to EN ISO 21084:2019 APEO : All materials except Leather: EN ISO 18254-1:2016 with determination of APEO using LC/MS or LC/MS/MS Leather: Sample prep and analysis using EN ISO 18218-1:2015 with quantification according to EN ISO 18254-1:2016
Octylphenol (OP)	Various			
Nonylphenol Ethoxylates (NPEO)	Various			
Octylphenol Ethoxylates (OPEO)	Various			
Bisphenol A (BPA)	80-05-7	N.D. (0.04 mg/L)	N.D. (0.04 mg/L)	EN 71-10/11
Dimethyl Fumarate (DMFu)	624-49-7	N.D. (detection limit 0.1 mg/kg)	N.D. (detection limit 0.1 mg/kg)	Textile: EN 17130: 2019 Others: ISO/TS 16186:2012
Flame Retardants Middle Chain Chlorinated Paraffins (MCCP)	85535-85-9	1,000 mg/kg	1,000 mg/kg	ISO18219:2015
Flame Retardants Short Chain Chlorinated Paraffins (SCCP)	85535-84-8	1,000 mg/kg	1,000 mg/kg	ISO18219:2015
Dioxins and Furans		N.D. (0.1 ug/kg) each	N.D. (0.1 ug/kg) each	US EPA 8290:2007
Acetophenone 2-Phenyl-2-Propanol	98-86-2 617-94-7	40 ppm	40 ppm	With reference to EPA 3550C: 2007, Methanol Extraction 30 minutes at 40°C and analysis by GC-MS
Quinoline	91-22-5	50ppm	50ppm	DIN 54231:2005 with methanol extraction at 70C degrees
TPCH & 94/62/EC (Lead, Cadmium, Mercury, Cr VI)	7439-92-1(Pb); 7440-43-9(Cd); 7439-97-6(Hg)	The sum of all metals: 100 ppm	The sum of all metals: 100 ppm	Acid Digestion followed by ICP/AAS Analysis for Pd, Cd, Hg; Extraction followed by UV-VIS Analysis for Cr VI.

Crocs Restricted Substance Requirement & Test Method

Substance	Crocs Requirement		Test Method		
	For Child & Baby	For Adult			
Pesticides	Sum: 0.5 ppm	Sum: 1.0 ppm	EPA 8081B: 2007 Modified		
1. List of Pesticides for Textile					
Name	CAS #	Name	CAS #	Name	CAS #
DDT	50-29-3	Carbaryl	63-25-2	Mirex	2385-85-5
DDD	72-54-8	Trifluraline	1582-09-8	Toxaphene	8001-35-2
DDE	72-55-9	Methoxychlor	72-43-5	Heptachlor	76-44-8
HCH's without Lindane	608-73-1	Aldrine	309-00-2	Heptachloroepoxide	1024-57-3
Lindane	58-89-9	Dieldrine	60-57-1	2,4-D	94-75-7
Hexachlorobenzene	118-74-1	Endrine	72-20-8	2,4,5-T	93-76-5
Chlordecone	143-50-0	Endosulfanes	115-29-7	TriCP	
Dicofol	115-32-2				
2. Name of Pesticides for Leather					
Name	CAS #	Name	CAS #	Name	CAS #
DDT	50-29-3	Aldrine	309-00-2	Pentachloroanisole	1825-21-4
DDD	72-54-8	Dieldrine	60-57-1	Permethrine	52645-53-1
DDE	72-55-9	Ethylparathione	56-38-2	Tolyfluanide	731-27-1
HCH's without Lindane	608-73-1	Endosulfanes	115-29-7	Chlorthalonil	1897-45-6
Lindane	58-89-9	Mirex	2385-85-5	TetraCP	
Malathione	121-75-5	Dichlofluanide	1085-98-9	TriCP	
Methoxychlor	72-43-5	Heptachloroepoxide	1024-57-3	Dicofol	115-32-2
Chlordecone	143-50-0				
Substance	Crocs Requirement		Test Method		
	For Child & Baby	For Adult			
N-Nitrosamines	N.D. (<0.5 ppm)	N.D. (<0.5 ppm)	GB/T 24153-2009 by LC/MS/MS		
1. List of N-Nitrosamines					
Name	CAS #	Name	CAS #	Name	CAS #
N-nitrosodimethylamine (NDMA)	62-75-9	N-nitrosodiethylamine (NDEA)	55-18-5	N-nitrosodipropylamine (NDPA)	621-64-7
N-nitrosodibutylamine (NDBA)	924-16-3	N-nitrosopiperidine (NPIP)	100-75-4	N-nitrosopyrrolidine (NPYR)	930-55-2
N-nitrosomorpholine (NMOR)	59-89-2	N-nitroso N-methyl N-phenylamine(NMPPhA)	614-00-6	N-nitroso N-ethyl N-phenylamine(NEPhA)	612-64-6
Substance	Crocs Requirement		Test Method		
	For Child & Baby	For Adult			
Azo-amines and Arylamine Salts ²	20 ppm each	20 ppm each	Textile & Ink : EN ISO 14362-1:2017 Leather: ISO 17234-1:2015 In every case where one of the above tests is requested a separate additional test on 4-Aminoazobenzene has to be performed. Textile: EN ISO 14362-3:2017; Leather: ISO 17234-2:2011		
1. List of AZO-amines and Arylamine Salts					
Name	CAS #	Name	CAS #	Name	CAS #
4-aminodiphenyl / xenylamine / Biphenyl-4-ylamine	92-67-1	2,4-diaminoanisole / 4-methoxy-m-phenylenediamine	615-05-4	4,4'-methylene-bis-(2-chloro-aniline) / 2,2'-	101-14-4

				dichloro-4,4'-methylenedianiline	
Benzidine	92-87-5	4,4'-diaminodiphenylmethane / 4,4'-methylenedianiline	101-77-9	4,4'-oxydianiline	101-80-4
4-chloro-o-toluidine	95-69-2	3,3'-dichlorobenzidine / 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	4,4'-thiodianiline	139-65-1
2-naphthylamine	91-59-8	3,3'-dimethoxybenzidine / o-dianisidine	119-90-4	o-toluidine / 2-aminotoluene	95-53-4
o-aminoazotoluene / 4-o-tolylazo-o-toluidine / 4-amino-2',3'-dimethylazobenzene	97-56-3	3,3'-dimethylbenzidine / 4,4'-bi-o-Toluidine	119-93-7	2,4-toluylenediamine / 4-methyl-m-phenylenediamine	95-80-7
2-amino-4-nitrotoluol / 5-nitro-o-toluidine	99-55-8	3,3'-dimethyl-4,4'-diaminodiphenylmethane / 4,4'-methylenedi-o-toluidine	838-88-0	2,4,5-trimethylaniline	137-17-7
p-chloranilin/4-chloroaniline	106-47-8	p-cresidin/6-methoxy-m-toluidine	120-71-8	4-aminoazobenzene*	60-09-3
o-anisidine/ 2-methoxyaniline	90-04-0	2,4-Xylidine	95-68-1	2,6-Xylidine	87-62-7
4-chloro-o-toluidinium chloride	3165-93-3	2-Naphthylammoniumacetate	553-00-4	2,4,5-trimethylaniline hydrochloride	21436-97-5
4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate			39156-41-7		

Substance	Crocs Requirement		Test Method
	For Child & Baby	For Adult	
Polycyclic Aromatic Hydrocarbons (PAHs)	BaP, BeP, BaA, CHR, BbF, BkF, DBA, IPY, BPE-1mg/kg each; Sum of 15 PAHs- below 10mg/kg	BaP, BeP, BaA, CHR, BbF, BkF, DBA, IPY, BPE-1mg/kg each; Sum of 15 PAHs- below 10mg/kg	AfPS GS2019:01 PAK, GC-MS analysis

1. List of PAHs

Name	CAS #	Name	CAS #	Name	CAS #
Naphthalene (NAP)	91-20-3	Fluoranthene (FLT)	206-44-0	Benzo(k)fluoranthene (BkF)	207-08-9
Anthracene (ANT)	120-12-7	Pyrene (PYR)	129-00-0	Benzo(a)pyrene (BaP)*	50-32-8
Benzo(e)pyrene(BeP)	192-97-2	Benz(a)anthracene (BaA)	56-55-3	Indeno(1,2,3-cd)pyrene (IPY)	193-39-5
Benzo(j)fluoranthene(BjF)	205-82-3	Chrysene (CHR)	218-01-9	Dibenz(a,h)anthracene (DBA)	53-70-3
Phenanthrene (PHE)	85-01-8	Benzo(b)fluoranthene (BbF)	205-99-2	Benzo(g,h,i)perylene (BPE)	191-24-2

Substance	Crocs Requirement		Test Method
	For Child & Baby	For Adult	
Chloroorganic Carriers (COCs)	1.0 ppm each	1.0 ppm each	EN 17137:2018

1. List of COCs

Name	CAS #	Name	CAS #	Name	CAS #
Dichlorobenzenes		Hexachlorbenzenes	118-74-1	Tetrachlortoluenes	
Trichlorbenzenes		Chlortoluenes		Pentachlortoluenes	877-11-2
Tetrachlorbenzenes		Dichlortoluenes		Pentachlorbenzenes	608-93-5
Trichlortoluenes				Chlorobenzene	108-90-7
α, α,α,4-tetrachlorotoluene; p-chlorobenzotrichloride	5216-25-1	α, α,α-trichlorotoluene; benzotrichloride	98-07-7	α-chlorotoluene; benzyl chloride	100-44-7

Substance	Crocs Requirement		Test Method
	For Child & Baby	For Adult	
Allergen Disperse& Carcinogen Dyes	50 ppm each	50 ppm each	DIN 54231:2005

1. List of Allergen Disperse Dyes

Name	CAS #	Name	CAS #	Name	CAS #
C.I. Disperse Blue 1	2475-45-8	C.I. Disperse Orange 37	13301-61-6	C.I. Disperse Yellow 49	54824-37-2
C.I. Disperse Blue 3	2475-46-9	C.I. Disperse Orange 76	13301-61-6	Carcinogen Dyes ⁵	
C.I. Disperse Blue 7	3179-90-6	C.I. Disperse Orange 149	85136-74-9	C.I. Acid Red 26	3761-53-3
C.I. Disperse Blue 26	3860-63-7	C.I. Disperse Red 1	2872-52-8	C.I. Basic Red 9	569-61-9
C.I. Disperse Blue 35	12222-75-2	C.I. Disperse Red 11	2872-48-2	C.I. Direct Black 38	1937-37-7
C.I. Disperse Blue 102	12222-97-8	C.I. Disperse Red 17	3179-89-3	C.I. Direct Blue 6	2602-46-2
C.I. Disperse Blue 106	12223-01-7	C.I. Disperse Yellow 1	119-15-3	C.I. Direct Red 28	573-58-0
C.I. Disperse Blue 124	61951-51-7	C.I. Disperse Yellow 3	2832-40-8	C.I. Disperse Blue 1	2475-45-8
C.I. Disperse Brown 1	23355-64-8	C.I. Disperse Yellow 9	6373-73-5	C.I. Disperse Orange 11	82-28-0
C.I. Disperse Orange 1	2581-69-3	C.I. Disperse Yellow 23	6250-23-3	C.I. Disperse Yellow 3	2832-40-8
C.I. Disperse Orange 3	730-40-5	C.I. Disperse Yellow 39	12236-29-2	C.I. Basic Violet 14	632-99-5
[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylam monium chloride;C.I. Basic Violet 3 with ≥0.1% of Michler's ketone (EC no. 202-027-5)					548-62-9

Substance	Crocs Requirement		Test Method
	For Child & Baby	For Adult	
Phthalates	N.D. (below 50 ppm)	N.D. (below 50 ppm)	CPSC-CH-C1001-09.4 by hexane precipitate solvent

1. List of Phthalates

Name	CAS #	Name	CAS #	Name	CAS #
Di(2-ethylhexyl)-phthalate (DEHP)	117-81-7	Di-Iso-nonylphthalate (DINP)	28553-12-0	Di-n-octylphthalate (DNOP)	117-84-0
Dibutylphthalate (DBP)	84-74-2	Di-isodecylphthalate (DIDP)	26761-40-0	Di-n-hexyl phthalate (DnHP)	84-75-3
1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, 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
Dimethyl phthalate (DMP)	131-11-3	Diethyl phthalate(DEP)	84-66-2	Dipentyl phthalate (DPP)	131-18-0
Butylbenzylphthalate (BBP)	85-68-7	Di-isobutyl phthalate (DIBP)	84-69-5	N-pentyl-isopentylphthalate (iPnPP)	776297-69-9
Diisopentylphthalate(DIPP)	605-50-5	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	1,2-Benzenedicarboxylic acid, dihexyl ester, Branched and linear	68515-50-4
Dicyclohexyl phthalate (DCHP)	84-61-7				

Substance	Crocs Requirement		Test Method
	For Child & Baby	For Adult	
Flame Retardants	N.D. (5 ppm each)	N.D. (5 ppm each)	ISO 17881-1/2: 2016

1. List of Flame Retardants

Name	CAS #	Name	CAS #	Name	CAS #
Decabromobiphenyl ether (DecaBDE)	1163-19-5	Hexabromocyclododecane (HBCDD)	25637-99-4 / 3194-55-6	Tris (2-chloroethyl) phosphate (TCEP)	115-96-8
Polybromobiphenyls (PBB)	59536-65-1	Octabromodiphenyl ether (OctaBDE)	32536-52-0	Tris-(aziridinyl)-phosphin oxide (TEPA)	545-55-1
Pentabromodiphenyl ether (pentaBDE)	32534-81-9	Tri-(2,3-dibromopropyl)-phosphate (TRIS)	126-72-7	Tri (2,3-dichloropropyl) phosphate (TDCPP)	13674-87-8
TetraBDE	40088-47-9	HexaBDE	36483-60-0	HeptaBDE	68928-80-3
HexaBB	36355-01-8	TBBPA	79-94-7		

Substance	Crocs Requirement		Test Method

	For Child & Baby		For Adult		
Dioxins and Furans	N.D. (0.1 ug/kg each)		N.D. (0.1 ug/kg each)		US EPA 8290: 2007/ certified methods
1. List of Dioxins and Furans					
Name	CAS #	Name	CAS #	Name	CAS #
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	2,3,7,8-Tetrabromodibenzo-p-dioxin	50585-41-6
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	1,2,3,7,8-Pentabromodibenzo-p-dioxin	109333-34-8
2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	2,3,7,8-Tetrabromodibenzofuran	67933-57-7
2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	2,3,4,7,8-Pentabromodibenzofuran	131166-92-2
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	3268-87-9	1,2,3,4,7,8-Hexabromodibenzo-p-dioxin	110999-44-5
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	1,2,3,7,8,9-Hexabromodibenzo-p-dioxin	110999-46-7
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	1,2,3,6,7,8-Hexabromodibenzo-p-dioxin	110999-45-6
1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	1,2,3,4,6,7,8,9-Octachlorodibenzofuran	39001-02-0	1,2,3,7,8-Pentabromodibenzofuran	107555-93-1
1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9				
Crocs Requirement					
Substance	Crocs Requirement		Test Method		
	For Child & Baby	For Adult			
Ozone Depleting	N.D. (0.1 ppm)		EPA 5021A: 2014 , Headspace GC-MS analysis		
1. List of Ozone Depleting Substances					
Name	CAS #	Name	CAS #	Name	CAS #
Chlorofluorocarbon-11 (CFC-11)	75-69-4	Halon-2402	124-73-2	Hydrochlorofluorocarbon-223 (HCFC-223)	134237-37-9
Chlorofluorocarbon-12 (CFC-12)	75-71-8	Methyl Bromide	74-83-9	Hydrochlorofluorocarbon-224 (HCFC-224)	134237-38-0
Chlorofluorocarbon-13 (CFC-13)	75-72-9	Methyl Chloroform (1,1,1-Trichloroethane)	71-55-6	Hydrochlorofluorocarbon-225 (HCFC-225)	127564-92-5
Chlorofluorocarbon-111 (CFC-111)	354-56-3	Class II		Hydrochlorofluorocarbon-226 (HCFC-226)	134308-72-8
Chlorofluorocarbon-112 (CFC-112)	76-12-0	Hydrochlorofluorocarbon-21 (HCFC-21)	75-43-4	Hydrochlorofluorocarbon-231 (HCFC-231)	75-94-3
Chlorofluorocarbon-113 (CFC-113)	76-13-1	Hydrochlorofluorocarbon-22 (HCFC-22)	75-45-6	Hydrochlorofluorocarbon-232 (HCFC-232)	460-89-9
Chlorofluorocarbon-114 (CFC-114)	76-14-2	Hydrochlorofluorocarbon-31 (HCFC-31)	593-70-4	Hydrochlorofluorocarbon-233 (HCFC-233)	134237-40-4;
Chlorofluorocarbon-115 (CFC-115)	76-15-3	Hydrochlorofluorocarbon-121 (HCFC-121)	354-14-3; 134237-32-4	Hydrochlorofluorocarbon-234 (HCFC-234)	425-94-5

Chlorofluorocarbon-211 (CFC-211)	135401-87-5; 422-78-6	Hydrochlorofluorocarbon-122 (HCFC-122)	354-21-2	Hydrochlorofluorocarbon-235 (HCFC-235)	134237-41-5
Chlorofluorocarbon-212 (CFC-212)	3182-26-1	Hydrochlorofluorocarbon-123 (HCFC-123)	306-83-2; 812-04-4; 354-23-4; 90454-18-5; 34077-87-7	Hydrochlorofluorocarbon-241 (HCFC-241)	666-27-3
Chlorofluorocarbon-213 (CFC-213)	2354-06-5	Hydrochlorofluorocarbon-124 (HCFC-124)	2837-89-0; 354-25-6; 63938-10-3	Hydrochlorofluorocarbon-242 (HCFC-242)	460-63-9
Chlorofluorocarbon-214 (CFC-214)	2268-46-4	Hydrochlorofluorocarbon-131 (HCFC-131)	359-28-4; 811-95-0; 27154-33-2	Hydrochlorofluorocarbon-243 (HCFC-243)	338-75-0; 134237-43-7; 460-69-5; 7125-99-7
Chlorofluorocarbon-215 (CFC-215)	4259-43-2	Hydrochlorofluorocarbon-132 (HCFC-132)	471-43-2; 431-06-1; 25915-78-0; 1649-08-7	Hydrochlorofluorocarbon-244 (HCFC-244)	679-85-6; 134190-50-4
Chlorofluorocarbon-216 (CFC-216)	1652-80-8	Hydrochlorofluorocarbon-133 (HCFC-133)	75-88-7;	Hydrochlorofluorocarbon-251 (HCFC-251)	818-99-5
Chlorofluorocarbon-217 (CFC-217)	422-86-6	Hydrochlorofluorocarbon-141 (HCFC-141)	1717-00-6; 430-57-9	Hydrochlorofluorocarbon-252 (HCFC-252)	134190-52-6
Carbon Tetrachloride (Tetrachloromethane)	56-23-5	Hydrochlorofluorocarbon-142 (HCFC-142)	025497-29-4; 75-68-3	Hydrochlorofluorocarbon-253 (HCFC-253)	134237-44-8; 460-35-5
Halon-1211	353-59-3	Hydrochlorofluorocarbon-221 (HCFC-221)	422-26-4 ; 29470-94-8	Hydrochlorofluorocarbon-261 (HCFC-261)	134237-45-9; 7799-56-6
Halon-1301	75-63-8	Hydrochlorofluorocarbon-222 (HCFC-222)	422-49-1	Hydrochlorofluorocarbon-262 (HCFC-262)	420-97-3; 134190-53-7

Substance	Crocs Requirement		Test Method
	For Child & Baby	For Adult	
Florinated Green House Gases	N.D. (detection limit 1 mg/kg)	N.D. (detection limit 1 mg/kg)	EPA 5021A: 2014 , Headspace GC-MS analysis

1. List of Florinated Green House Gases

Name	CAS #	Name	CAS #	Name	CAS #
sulfur hexafluoride - SF ₆	2551-62-4	HFC-152a-C ₂ H ₄ F ₂	75-37-6	HFC-365mfc-CF ₃ CH ₂ CF ₂ CH ₃	406-58-6
Hydrofluorocarbons (HFCs)		HFC-143-C ₂ H ₃ F ₃	430-66-0	Perfluorocarbons (PFCs)	
HFC-23-CHF ₃	75-46-7	HFC-143a-C ₂ H ₃ F ₃	420-46-2	Perfluoromethane-CF ₄	75-73-0
HFC-32-CH ₂ F ₂	75-10-5	HFC-227ea-C ₃ HF ₇	431-89-0	Perfluoroethane-C ₂ F ₆	76-16-4
HFC-41-CH ₃ F	593-53-3	HFC-236cb-CH ₂ FCF ₂ CF ₃	677-56-5	Perfluoropropane-C ₃ F ₈	76-19-7
HFC-43-10mee-C ₅ H ₂ F ₁₀	138495-42-8	HFC-236ea-CHF ₂ CHFCF ₃	431-63-0	Perfluorobutane-C ₄ F ₁₀	355-25-9
HFC-125-C ₂ HF ₅	354-33-6	HFC-236fa-C ₃ H ₂ F ₆	690-39-1	Perfluoropentane-C ₅ F ₁₂	678-26-2
HFC-134-C ₂ H ₂ F ₄	359-35-3	HFC-245ca-C ₃ H ₃ F ₅	679-86-7	Perfluorohexane-C ₆ F ₁₄	355-42-0
HFC-134a-CH ₂ FCF ₃	811-97-2	HFC-245fa-CHF ₂ CH ₂ CF ₃	460-73-1	Perfluorocyclobutane- c-C ₄ F ₈	115-25-3

Substance	Crocs Requirement		Test Method
	For Child & Baby	For Adult	
Asbestos	Not Detected	Not Detected	Microscopic method

1. List of Florinated Green House Gases

Name	CAS #	Name	CAS #	Name	CAS #
Actinolite	77536-66-4	Anthrophyllite	77536-67-5	Crocidolite	12001-28-4
Amosite	12172-73-5	Chrysotile	12001-29-5	Tremolite	77536-68-6

Substance	CAS Number	Crocs Requirement	Test Method
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		For Child & Baby	For Adult		
Volatile Organic Compounds (VOCs):					
Formamide	75-12-7	500 mg/kg	500 mg/kg	Textile : EN 17131: 2019 Others: DIN CEN ISO/TS 16189:2013	
Dimethyl formamide (DMFa)	68-12-2	500 mg/kg	500 mg/kg		
N-Methyl-2-pyrrolidone (NMP)	872-50-4	1,000mg/kg	1,000mg/kg		
Dimethylacetamide (DMAC)	127-19-5	1,000mg/kg	1,000mg/kg		
Phenol	108-95-2	15 mg/kg	15 mg/kg	EPA 5021A: 2014 : Headspace method (ppm) 1. With solid :90°C & 45 Minutes by GC-MS Analysis. 2. With Non-solid: 90°C & 30 Minutes by GC-MS Analysis	
Toluene	108-88-3	100 mg/kg	100 mg/kg		
Styrene	100-42-5	100 mg/kg	100 mg/kg		
Xylene (O.P.M.)	1330-20-7	100 mg/kg	100 mg/kg		
M-cresol	108-39-4	100 mg/kg	100 mg/kg		
O-cresol	95-48-7	100 mg/kg	100 mg/kg		
P-cresol	106-44-5	100 mg/kg	100 mg/kg		
Methylene chloride	75-09-2	100 mg/kg	100 mg/kg		
1,1,1,2-Tetrachloroethane	630-20-6	100 mg/kg	100 mg/kg		
1,1,2,2-Tetrachloroethane	79-34-5	100 mg/kg	100 mg/kg		
Chloroform	67-66-3	100 mg/kg	100 mg/kg		
1,1,2-Trichloroethane	79-00-5	100 mg/kg	100 mg/kg		
1,1-Dichloroethylene	75-35-4	100 mg/kg	100 mg/kg		
1,1,1-Trichloroethane	71-55-6	100 mg/kg	100 mg/kg		
Carbon Tetrachloride	56-23-5	100 mg/kg	100 mg/kg		
Pentachloroethane	76-01-7	100 mg/kg	100 mg/kg		
Benzene	71-43-2	N.D. (below 5 mg/kg)	N.D. (below 5 mg/kg)		
n-hexane	110-54-3	100 mg/kg	100 mg/kg		
Cyclohexane	110-82-7	100 mg/kg	100 mg/kg		
Tetrahydrofuran	109-99-9	100 mg/kg	100 mg/kg		
Substance	Crocs Requirement			Test Method	
	For Child & Baby		For Adult		
PBBs	0.10%		0.10%	IEC 62321-6:2015	
1. List of PBBs					
Name	CAS #	Name	CAS #	Name	CAS #
Monobromobiphenyl	2052-7-5	Pentabromobiphenyl	59080-39-6	Octabromobiphenyl	61288-13-9
Dibromobiphenyl	92-86-4	Hexabromobiphenyl	59080-40-9	Nonabromobiphenyl	69278-62-2
Tribromobiphenyl	59080-33-0 59080-34-1 6683-35-8 6430-90-6	Heptabromobiphenyl	35194-78-6	Decabromobiphenyl	13654-09-6
Tetrabromobiphenyl	40088-45-7				
Substance	Crocs Requirement			Test Method	
	For Child & Baby		For Adult		
PFOS and Related Substances	Textile & Leather: 1µg/m ² Other: 1 ppm		Textile & Leather: 1µg/m ² Other: 1 ppm	Leather: ISO 23702-1: 2018 All other materials: CEN/TS 15968:2010	
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	N-Ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)	4151-50-2	Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)	56773-42-3

Perfluorooctanesulfonic acid, potassium salt (PFOS-K)	2795-39-3	N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA)	31506-32-8	Perfluorooctane sulfonamide (PFOSA)	754-91-6
Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5	2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)	1691-99-2	Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(OH)2)	70225-14-8
Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH4)	29081-56-9	2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7	Perfluoro-1-octanesulfonyl fluoride (POSF)	307-35-7

Substance	Crocs Requirement		Test Method		
	For Child & Baby	For Adult			
Perfluorooctanoic acid (PFOA) & its salts	Perfluorooctanoic Acid (PFOA) and its salts : 25 ppb in total	Perfluorooctanoic Acid (PFOA) and its salts : 25 ppb in total	Leather: EN 23702-1: 2018 All other materials: CEN/TS 15968:2010		
Perfluorooctanoic acid (PFOA)	335-67-1	Sodium perfluorooctanoate (PFOA-Na)	335-95-5	Perfluorooctanoyl fluoride (PFOA-F)	335-66-0
Potassium perfluorooctanoate (PFOA-K)	2395-00-8	Silver perfluorooctanoate (PFOA-Ag)	335-93-3	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1

Substance	Crocs Requirement		Test method		
	For Child & Baby	For Adult			
PFOA-related substances	PFOA-related substances : 1000 ppb in total	PFOA-related substances : 1000 ppb in total	Leather: EN 23702-1: 2018 All other materials: CEN/TS 15968:2010		
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	Methyl perfluorooctanoate (Me-PFOA)	376-27-2	1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)	27905-45-9
Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	2-Perfluorooctylethanol (8:2 FTOH)	678-39-7	1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9

Test Item	CAS#	Crocs Requirement		Test Method
		For Child & Baby	For Adult	
RoHS	7439-92-1(Pb); 7440-43-9(Cd); 7439-97-6(Hg)	Lead, Mercury and Chromium VI, PBBs; PBDEs, BBP, DBP, DEHP and DIBP: 0.1%(1000ppm) each; Cadmium-0.01%(100ppm);		IEC 62321

Substance	Crocs Requirement		Test Method
	For Child & Baby	For Adult	
PBDEs	0.10%	0.10%	IEC 62321-6:2015

1. List of PBDEs					
Name	CAS #	Name	CAS #	Name	CAS #
Monobromobiphenyl ether		Pentabromobiphenyl ether	32534-81-9	Octabromobiphenyl ether	32536-52-0
Dibromobiphenyl ether	2050-47-7	Hexabromobiphenyl ether	36483-60-0	Nonabromobiphenyl ether	63936-56-1
Tribromobiphenyl ether	49690-94-0	Heptabromobiphenyl ether	68928-80-3	Decabromobiphenyl ether	1163-19-5
Tetrabromobiphenyl ether	40088-47-9				

*For SVHC (Substance of Very High Concern), please refer to the following link: <https://echa.europa.eu/candidate-list-table>

* RS Test Protocol: please refer to the Crocs Test Guideline

Crocs Approved Test Laboratories

Test Institute	Country	Address	Contact Person	Telephone	Email
Bay Area Compliance Lab Corp. (BACL)	China / Shen Zhen	6/F, the 3rd Phase of Wan Li Industrial Bldg., Shihua Rd., Futian Free Trade Zone, Shenzhen 518038, P.R China	Lena Lea (Sales)	(86) 755-33320018-8826 (86) 18566797043	cs2.sz3A@baclcorp.com
			Emily Gao (Sales)	(86) 755-3320018-8820 (86) 18566797042	emily.gao@baclcorp.com
	China / Dong Guan	No.69 Pulong Village Puxinhu Industry Zone Tangxia, Dongguan, China	Serena / Bess	(86) 769-86858888-6908 (86) 18566797048	assistant.sz_sales3@baclcorp.com ; cs1.crocstest@baclcorp.com ; cs2.crocstest@baclcorp.com
	Hong Kong	Workshop 8 on 6/F HongLeong Plaza No.33 Lok Yip Road Fanling New Territories	Jessie Ho (Sales)	(852) 69536566	customs.sz-2@baclcorp.com
	China	China	Lola Wang (GM)	(86) 18688799312	lola.wang@baclcorp.com
	Vietnam	No.84 Bach Dang Street, Ward 2, Tan Binh District, Ho Chi Minh City, Vietnam	William Wei	+84 0967050228	william.wei@baclcorp.com
Lisa Wei			+84-2422210056 EXT 6118/+84-1662562668	asistant01.hn_sales@baclcorp.com	
SGS-CSTC Standards Technical Service Co., Ltd	Taiwan / Kaohsiung	No.61, Kai-Fa Rd, Nanzih Export Processing Zone, Kaohsiung, Taiwan 81170	Janny Lin	886-7-3012121 ext: 4102 886-918380527	janny.lin@sgs.com
	Indonesia / Jakarta	Cilandak Commercial Estate, The Garden Centre #1-00 & #2-00Jl. Raya Cilandak KKO Jakarta 12560 Indonesia	Fitria Handayaningsih	+6221 2978 0600 +62 811 96206394	Fitria.Handayaningsih@sgs.com
	China / Guang Zhou	198 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, Guangdong, China 510663	Sophia Sun	(86) 20 32136617 (86) 13632304866	sophia.sun@sgs.com
	China / Hong Kong	4/F On Wui Centre, 25 Lok Yip Road, Fanling, NT, Hong Kong	Michael Heung	+852 6018 6873	michael.heung@sgs.com
	Vietnam - HCM	Lot III/21, 19/5A Street, Industrial Group III, Tan Binh Industrial Zone, Tay Thanh Ward, Tan Phu District, Ho Chi Minh City	Ngan Thai	(8428) 38160999 ext. 193	ngan.thai@sgs.com
	USA / New Jersey	291 Fairfield Avenue, Fairfield, NJ 07004, USA	Joel Cass	+1 323 350 0466	joel.cass@sgs.com
Centre Testing International Corporation (CTI)	China / Shen Zhen	Bldg. C, Hongwei Industrial Park, Block 70, Bao'an District, Shenzhen, PRC	Kalyn Kwong	(86)755 -3368-1037 +86 15889790424	kuangkonglin@cti-cert.com

Cross Restricted Substance List NPI Test Plan

Factory: _____

Style/Product Name: _____

Date: _____

S/N	New Material/Part	Color	CRSL Test Plan	Test Report Date	Production Date

Factory NPI: _____

Cross: NPI: _____
Brian McConahy

CRSL IM: _____
Marco Ferniani

Quarterly CRSL Test Plan

Factory: _____

Category: Systematic/Random Sampling:

Top 5 Runners + Special Selected: _____

Date: _____

S/N	Style	Color	Quantity (prs)	P.O. #	Season	Component	Shoe image	Remark

Factory Approval: _____
VP Factory

New Process/Component: _____
Brian McConahy

RS Leader: _____
Marco Ferniani

CRSL Core Team Members

Core Team Members:	Role: Define CRSL Policy, Direction, System, Process, and Implementation	Email Address
Erik Olson	Sponsor, Implementation	eolson@crocs.com
Marco Ferniani	CRSL Implementation System Process Architect	marco.ferniani@crocs.com
Brian McConahy	Process Owner at Development stage and Mass Production	bmccconahy@crocs.com
Eileen Yang	CRSL Implementation Manager	eileen.yang@crocs.com
Sara Hoverstock	Asia requirements	shoverstock@crocs.com
Trevin David	Europe Requirements, REACH, etc.	trevin.david@crocs.eu
Jay Andrews	North and South America requirements, CPSIA, etc.	jandrews@crocs.com