



LABORATORY CAPABILITIES ASSESSMENT

- Please fill out all three pages in this editable PDF form.
- All information requested relates to a specific laboratory's ability to conduct chemical testing per AFIRM recommendations. Answers and supporting documentation must reflect the qualifications of the named laboratory location, even when it is part of an international group.
- This document contains potentially sensitive information, and brands are requested to exercise caution when sharing and specifically avoid sharing with other laboratories.
- Some laboratories may require an NDA to be in place prior to providing the requested information.

LABORATORY NAME		DATE	
LABORATORY CONTACT		ADDITIONAL LABORATORY INFORMATION	
Address 1		How many technicians typically perform RSL testing at this laboratory each day?	
Address 2		Is this laboratory part of an international group?	Yes No
City, State/Province		• If yes, please provide group name:	
Country, Postal Code		Do representatives of the lab or group serve as members of national or international standards bodies relevant to the work of the AFIRM Group?	Yes No
Contact Name		• If yes, please provide committee name(s):	
Contact Job Title			
Contact E-mail			
Contact Phone			

QUALIFICATIONS QUESTIONNAIRE	
Please provide a link to the certification body that granted the laboratory's accreditation according to ISO 17025 (or other relevant standard) if available. Otherwise, please attach a copy of your current certificate.	
How does the laboratory qualify itself to conduct a new test? <i>Please provide a brief response focused on any validation / correlation testing and the management of uncertainties, especially as relevant to the laboratory's ISO 17025 certification.</i>	
Did the laboratory participate in commercially available correlation tests within the last two (2) years? <i>If yes, please list all proficiency testing programs your laboratory has participated in within the last two (2) years; for example, participation in LGC or IIS proficiency testing programs.</i>	
Did the laboratory conduct internal correlation tests within the last two (2) years?	

QUALIFICATIONS QUESTIONNAIRE

How does the laboratory ensure that third-party subcontractors (external to the laboratory group) maintain quality standards?

Briefly describe the process in place.

Does the laboratory have a LIMS system for managing test data?

For informational purposes only.

Is the laboratory recognized by organizations such as the United States Consumer Product Safety Commission (CPSC) or Zero Discharge of Hazardous Chemicals (ZDHC) Program, etc.?

Please list all recognition and include supporting information such as certificate numbers, scope of testing, etc.

In the case of failing quality-control (QC) parameters:

- What is the laboratory's process for retesting?
- What is the laboratory's process for reporting out-of-control QC criteria to sample submitters?

SUPPLEMENTARY BRAND-SPECIFIC QUESTIONS

Please respond to questions marked with a check.

In cases where the brand does not specify, what would the laboratory propose for testing prints?

Briefly describe the process in place.

In cases where a brand does not specify, what would the laboratory propose when confronted with a conflicting test report from a different testing laboratory?

Briefly describe the process in place.

In cases where a brand does not specify, what is the laboratory's procedure for testing a finished product?

How does the laboratory select the materials and/or components to be tested?

Briefly describe the procedure in place.

Any brand specific questions or procedures?

Briefly describe your question below.



Please refer to the current version of the AFIRM Restricted Substances List for information on specific substances within each class. (AFIRM RSL updates are released annually in February)

SUBSTANCE CLASS	AFIRM TEST METHOD	Does laboratory conduct this test?	For how long has laboratory conducted test for this substance class on the specified material(s)?	Does laboratory conduct this test routinely?	Is this test covered in the scope of laboratory's ISO 17025 certificate?	For tests not conducted onsite, please indicate if the test is:	In the event specified equipment is unavailable, please indicate if the test is:	If laboratory uses a third party, please list the names of subcontractors.	Is a local standard operating procedure (SOP) available for this test? Please DO NOT provide copies of SOPs at this stage.	Comments or additional information.
Acetophenone, 2-Phenyl-2-Propanol & Related Substances	Acetophenone & 2-Phenyl-2-Propanol Extraction in acetone or methanol GC/MS, sonication for 30 minutes at 60° C	Yes No			Yes No				Yes No	
	Acetophenone Azine Extraction in acetone or methanol GC/MS or LC/MS, sonication for 30 minutes at room temperature	Yes No			Yes No				Yes No	
Acidic & Alkaline Substances	Textiles and synthetic coated fabrics: EN ISO 3071:2020	Yes No			Yes No				Yes No	
	Leather: EN ISO 4045:2018	Yes No			Yes No				Yes No	
Alkylphenol (AP), including all isomers	Textiles and Leather: EN ISO 21084:2019	Yes No			Yes No				Yes No	
	Polymers and all other materials: 1 g sample/20 mL THF, sonication for 60 minutes at 70° C, analysis according to EN ISO 21084:2019	Yes No			Yes No				Yes No	
	Down (China market only): GB/T 23322-2018 for compliance with GB/T 14272-2021	Yes No			Yes No				Yes No	
Alkylphenol Ethoxylates (APEOs), including all isomers	All materials except Leather: EN ISO 18254-1:2016 with determination of APEO using LC/MS or LC/MS/MS	Yes No			Yes No				Yes No	
	Leather: Sample prep and analysis using EN ISO 18218-1:2023 with quantification according to EN ISO 18254-1:2016	Yes No			Yes No				Yes No	
	Down (China market only): B/T 23322-2018 for compliance with GB/T 14272-2021	Yes No			Yes No				Yes No	
Azo-amines & Arylamine salts	All materials except Leather: EN ISO 14362-1:2017	Yes No			Yes No				Yes No	
	Leather: EN ISO 17234-1:2024	Yes No			Yes No				Yes No	
	p-Aminoazobenzene: All materials except Leather: EN ISO 14362-3:2017	Yes No			Yes No				Yes No	
	p-Aminoazobenzene: Leather: EN ISO 17234-2:2011	Yes No			Yes No				Yes No	
Bisphenols	Leather: EN ISO 11936:2023	Yes No			Yes No				Yes No	
	All other materials: Extraction: 1g sample/20 ml THF, sonication for 60 minutes at 60° C, then add methanol or acetonitrile for precipitation prior to analysis with LC/MS Note for textiles: For precipitation, draw the extract to another container and add methanol or acetonitrile. This keeps the extraction process consistent.	Yes No			Yes No				Yes No	
Brominated & Organophosphorus Substances <i>Formerly Flame Retardants</i>	All materials: EN ISO 17881-1:2016 or EN ISO 17881-2:2016; see the AFIRM RSL for the correct method for specific substances.	Yes No			Yes No				Yes No	
Chlorinated Paraffins	Leather: ISO 18219-1:2021 (SCCP), ISO 18219-2:2021 (MCCP)	Yes No			Yes No				Yes No	
	Textiles and all other materials : ISO 22818:2021 (SCCP + MCCP)	Yes No			Yes No				Yes No	
Chlorophenols	All materials: EN 17134-2:2023	Yes No			Yes No				Yes No	
Chlorinated Benzenes & Toluenes	All materials: EN 17137:2024	Yes No			Yes No				Yes No	
Cyclosiloxanes	All materials: Ultrasonic extraction with tert-Butyl methyl ether (TBME) or acetone for 30 min at 40° C then GC/MS	Yes No			Yes No				Yes No	
Dimethylfumarate (DMFu)	All materials: ISO 16186:2021	Yes No			Yes No				Yes No	
Dyes, Forbidden & Disperse	All materials: DIN 54231:2022	Yes No			Yes No				Yes No	
Dyes, Navy Blue	All materials: DIN 54231:2022	Yes No			Yes No				Yes No	
Fluorinated Greenhouse Gases	Sample preparation: Purge and trap – thermal desorption or SPME Measurement: GC/MS	Yes No			Yes No				Yes No	
Formaldehyde	All materials except leather: JIS L 1041-2011 A (Japan Law 112) or EN ISO 14184-1:2011	Yes No			Yes No				Yes No	
	Leather: EN ISO 17226-2:2019 with EN ISO 17226-1:2021 confirmation method in case of interferences. Alternatively, EN ISO 17226-1:2021 can be used on its own.	Yes No			Yes No				Yes No	



Please refer to the current version of the AFIRM Restricted Substances List for information on specific substances within each class. (AFIRM RSL updates are released annually in February)

SUBSTANCE CLASS	AFIRM TEST METHOD	Does laboratory conduct this test?	For how long has laboratory conducted test for this substance class on the specified material(s)?	Does laboratory conduct this test routinely?	Is this test covered in the scope of laboratory's ISO 17025 certificate?	For tests not conducted onsite, please indicate if the test is:	In the event specified equipment is unavailable, please indicate if the test is:	If laboratory uses a third party, please list the names of subcontractors.	Is a local standard operating procedure (SOP) available for this test? Please DO NOT provide copies of SOPs at this stage.	Comments or additional information.
Heavy Metals (Non-Jewelry), Chromium VI	Textiles: DIN EN 16711-2:2016 with EN ISO 17075-1:2017 if Cr is detected.	Yes No			Yes No				Yes No	
	Leather: EN ISO 17075-1:2017 and EN ISO 17075-2:2017 for confirmation in case the extract causes interference. Alternatively, EN ISO 17075-2:2017 may be used on its own. Ageing test: ISO 10195:2018 (At brand discretion but required for footwear by India BIS.)	Yes No			Yes No				Yes No	
Heavy Metals (Non-Jewelry), Extractable	All materials except leather: EN 16711-2:2015	Yes No			Yes No				Yes No	
	Leather: EN ISO 17072-1:2019	Yes No			Yes No				Yes No	
Heavy Metals (Non-Jewelry), Lead — Total	Non-metal: CPSC-CH-E1002-08.3	Yes No			Yes No				Yes No	
	Metal: CPSC-CH-E1001-08.3	Yes No			Yes No				Yes No	
	Lead in paint and surface coatings: CPSC-CH-E1003-09.1	Yes No			Yes No				Yes No	
Heavy Metals (Non-Jewelry), Nickel Release	EN 12472:2020 and EN 1811:2023	Yes No			Yes No				Yes No	
	Release (eyewear frames): EN 16128:2025	Yes No			Yes No				Yes No	
Heavy Metals (Non-Jewelry), Total	All materials except leather: EN 16711-1:2015	Yes No			Yes No				Yes No	
	Leather: EN ISO 17072-2:2022	Yes No			Yes No				Yes No	
Heavy Metals (Jewelry), Extractable	ASTM F963-23 as referenced in ASTM F2923:2020	Yes No			Yes No				Yes No	
Heavy Metals (Jewelry), Nickel Release	EN 12472:2020 and EN 1811:2023	Yes No			Yes No				Yes No	
Heavy Metals (Jewelry), Total	ASTM F963-23 as referenced in ASTM F2923:2020	Yes No			Yes No				Yes No	
Monomers, Styrene	Extraction in Methanol GC/MS, sonication at 60°C for 60 minutes	Yes No			Yes No				Yes No	
Monomers, Vinyl Chloride	EN ISO 6401:2022	Yes No			Yes No				Yes No	
N-Nitrosamines	EN ISO 19577:2019 with LC/MS/MS verification if positive	Yes No			Yes No				Yes No	
Organotin Compounds	All materials: ISO 16179:2025 or EN ISO 22744-1:2020	Yes No			Yes No				Yes No	
Ortho-phenylphenol	All materials: EN 17134-2:2023	Yes No			Yes No				Yes No	
Per- & Polyfluoroalkyl Substances (PFAS), Targeted Testing	EN ISO 23702-1:2023 or EN 17681-1:2022 & 17681-2:2022	Yes No			Yes No				Yes No	
PFAS as Measured by Total Organic Fluorine	EN 14582:2016 or ASTM D7359:2023 Methods quantify total fluorine (inorganic + organic). See AFIRM PFAS Phaseout Guidance for additional information about total versus total organic fluorine.	Yes No			Yes No				Yes No	
Pesticides & Herbicides, Agricultural	All materials: EN ISO 15913:2003 or EPA 8081/EPA 8151A or BVL L 00.00-34:2010-09	Yes No			Yes No				Yes No	
Phthalates	Sample preparation for all materials: CPSC CH-C1001-09.4 Measurement: GC/MS, EN ISO 14389:2022 (8.1 Calculation based on weight of print only; 8.2 Calculation based on weight of print and textile if print cannot be removed).	Yes No			Yes No				Yes No	
	Measurement: All materials except textiles: GC/MS	Yes No			Yes No				Yes No	
Polycyclic Aromatic Hydrocarbons (PAHs)	All materials: AFPS GS 2019 or EN 17132:2019 or ISO 16190:2021	Yes No			Yes No				Yes No	
Quinoline	All materials: DIN 54231:2022 with methanol extraction at 70°C	Yes No			Yes No				Yes No	
Solvents & Residuals	Textiles: EN 17131-1:2025	Yes No			Yes No				Yes No	
	All other materials: ISO 16189:2021	Yes No			Yes No				Yes No	
UV Absorbers / Stabilizers	ISO 24040:2022 with extraction in THF, analysis by GC/MS	Yes No			Yes No				Yes No	
Volatile Organic Compounds (VOCs)	For general VOC screening: GC/MS headspace 45 minutes at 120°C	Yes No			Yes No				Yes No	