

State of play with the Compendium of Analytical methods

Agenda item 7.2
Updates from the Forum

Forum-25
8 November 2016

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Background

- Enforceability of restrictions strongly depends on availability of suitable analytical methods for checking compliance with the legal requirements
- ECHA Forum first inventory of analytical methods accepted in EU Member States (2009) shows wide variety of methods
- Need to produce a guidance for suitable analytical methods for the enforcement of restrictions
 - to contribute to a level playing field;
 - to spread good practice on enforcement;
 - to develop working methods and tools of use to local inspectors.

Background

ECHA Forum work on analytical methods – WG enforceability of restrictions

Phase 1 Conception

- Elaboration of a methodology for recommending analytical methods (criteria to be fulfilled by a method to be considered suitable for enforcing the restriction)

Phase 2 Implementation

- Data gathering (MSs and ECHA ASOs)
- Data analysis and selection of methods
- Publication of the Compendium

Forum Methodology for recommending analytical methods to check compliance with REACH Annex XVII restrictions

Phase 1 product

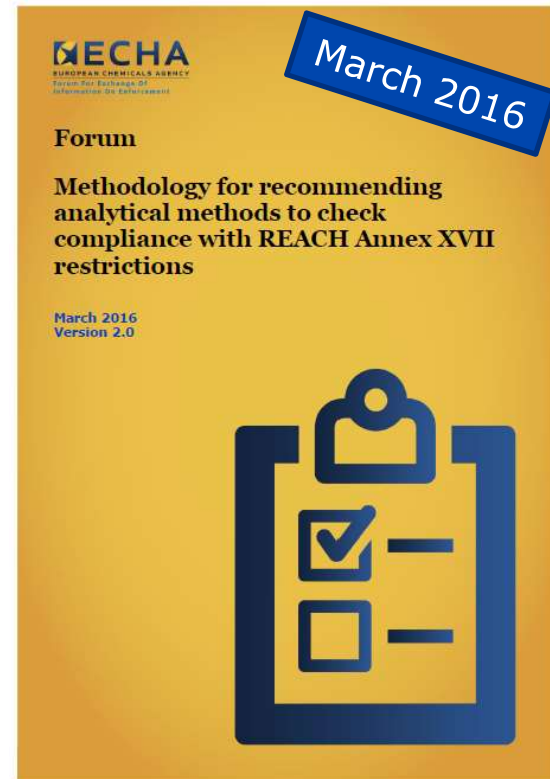
Key elements

- A set of functional qualities have been selected to describe the performance of an analytical method

CHARACTERISTICS:
Applicability, Limit of detection, Recovery, Reproducibility, Measurement uncertainty

- Performance requirements for the selected characteristics have been proposed according to generally accepted criteria

PERFORMANCE REQUIREMENTS



<https://echa.europa.eu/about-us/who-we-are/enforcement-forum/enforceability-of-restrictions>

Phase 2 product

Forum Compendium of Analytical methods

Recommended to check compliance with REACH Annex XVII restrictions

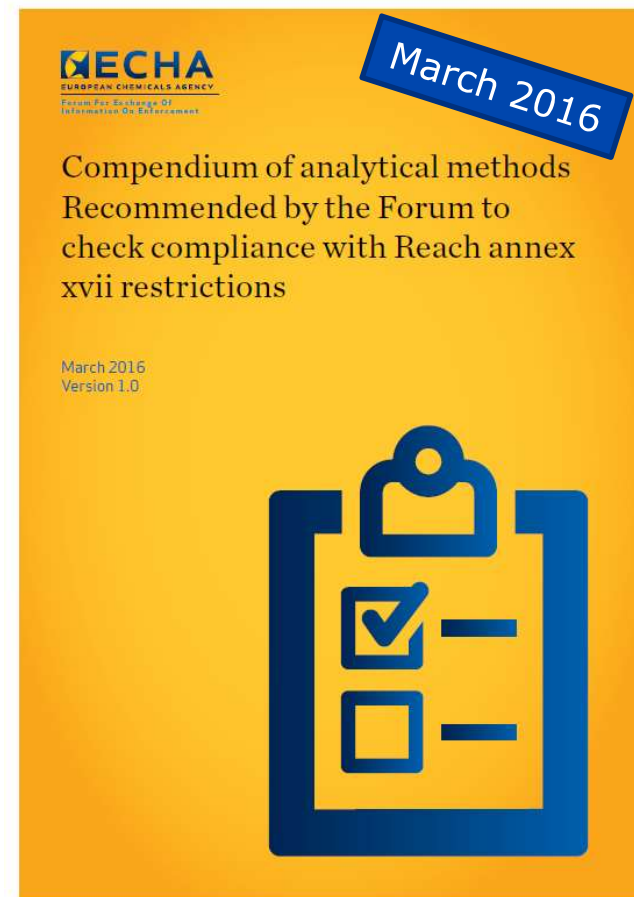
Implementation of the methodology

- Request for information on available analytical methods to Member State authorities and ECHA Accredited stakeholders – ASOs;

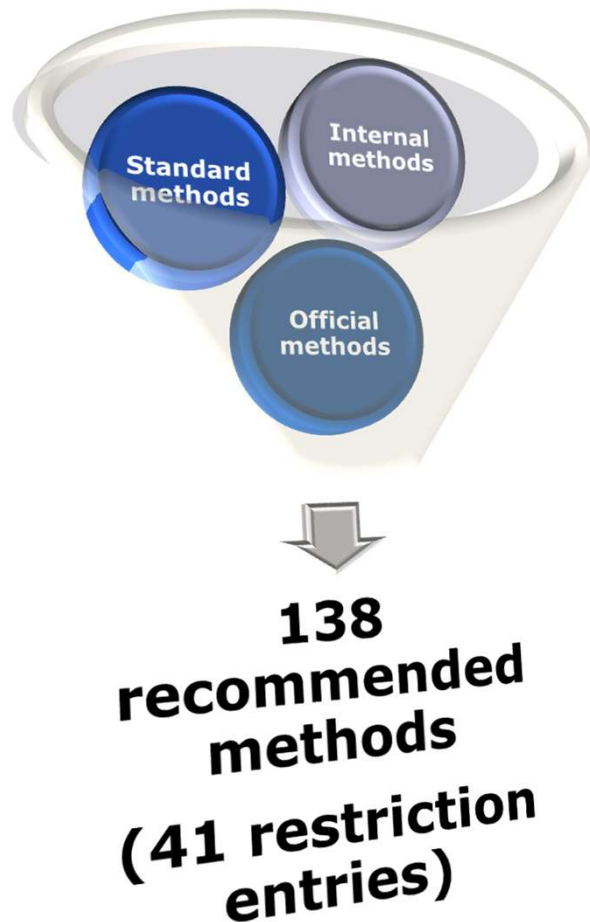
DATA GATHERING

- Assess the performances of gathered available methods according to the proposed requirements;
- Selected methods are listed in the 1st Compendium.

DATA ANALYSIS AND DRAFTING 1st COMPENDIUM



State of play of the Compendium of analytical methods



- **Publication**

1st ECHA Forum Compendium of Analytical methods published (March 2016), ECHA website.

- **Updates**

The Compendium is intended as a dynamic document. Regular updates are foreseen (2017?).

- **Public consultation**

ECHA Forum invites interested parties to submit additional information to be incorporated in future updates of the Compendium.

Disclaimer

- The Compendium is intended solely as technical advice.
- The information is subject to change.
- Parties using the Compendium should be aware that there may be other acceptable alternatives for achieving and documenting compliance with the regulatory requirements under Annex XVII to REACH.

Compendium of analytical methods - How it looks

Compendium of Analytical Methods

Restriction (Annex XVII entry number and analyte/s covered)	Restriction (Annex XVII sub entry: paragraph number, analyte and matrix/product covered)	Analyte	Matrix/Product	Analytical method	Reference for Internal methods	Analytical technique	Sample preparation	Note
4. Tris (2,3 dibromopropyl) phosphate CAS No 126-72-7								
4.1. Textile articles								
		Tris (2,3 dibromopropyl) phosphate	textiles	Internal method	DIN EN 16377	GC-MS	solvent extraction	A
		Tris (2,3 dibromopropyl) phosphate	textiles, plastics	Internal method	DIN EN 71 - safety of toys, part 10	GC-MS	extraction with acetonitrile, filtration	A
5. Benzene CAS No 71-43-2								
5.1 and 5.2 Toys /parts of toys								
		Benzene	polymers/toys	ASTM D4526-12		HS GC-FID	Extraction	A
		Benzene	toys	DIN EN 71-11		GC-MS	Headspace or Purge & Trap	A
		Benzene	toys	MSZ EN 71-11:2006		GC-MS	Extraction	A
5.3 substances/mixtures								
		Benzene	mixtures of xylenes	ASTM D 6563-2012		GC-FID	n.d	A
		Benzene	cynoacrylate glues	Internal method	CY-SGL method "METH 11 01 11", accredited according to EN ISO 17025:2005	GC-MS	Dilution in acetone	A

The Compendium of analytical methods for REF-4 project

**Compendium on analytical methods to enforce restrictions published
ECHA/NI/16/15**

The compendium describes over 100 recommended analytical methods that inspectors in Europe can use when checking compliance with REACH restrictions in Annex XVII. The compendium is also useful for companies facing inspections.

Helsinki, 31 March 2016

The compendium will be used in the ongoing REACH-EN-FORCE 4 (REF-4) project which is coordinated by ECHA's Enforcement Forum. In this project, enforcement authorities in 29 European countries inspect restrictions of 14 substances which may be found in consumer products, such as textiles, toys or jewellery or used professionally, for glues or brazing fillers.

Restriction entries within the scope of the Forum REF-4 project

Annex XVII restriction entry	Substances
5	Benzene
6	Asbestos fibres
23	Cadmium and its compounds
27	Nickel and its compounds
32	Chloroform
43	Azocolourants and Azodyes
45	Diphenylether, octabromo derivative C ₁₂ H ₂ Br ₈ O
47	Chromium VI compounds
48	Toluene
49	Trichlorobenzene
50	Polycyclic-aromatic hydrocarbons (PAH)
51, 52	Phthalates
63	Lead and its compounds

Request to ASOs

- **Consult** the ECHA Forum Compendium of Analytical Methods. → use it!
- **Contribute yourself** to the improvement of this guidance and **liaise with interested parties** to invite them to participate to the public consultation → Share sampling and analysis practices by submitting information to be incorporated in future updates of the Compendium!
 - Fill in the questionnaire in Annex 3 of the methodology to recommend analytical methods
 - Submit the questionnaire as well as additional comments anytime to **forum@echa.europa.eu**

Thank You!

