



Bundesamt für
Verbraucherschutz und
Lebensmittelsicherheit

anses

French agency for food, environmental
and occupational health & safety



Investigate, evaluate, protect



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100years
1918 — 2018



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Progress in Support for the NRL Network

Guidance Updates and Data Bases

Networking, Contact and Information Exchange....



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<https://eurl-residues.eu/>

Legislation and Guidance

Access to individual information / websites of the three VMPR EURLs

Current information

EURLs for Residues of Veterinary Medicinal Products

HOME EURL PORTAL EURL ANSES EURL EURL EURL WFSR

LEGISLATION
GUIDANCE DOCUMENTS
EVENTS
NETWORK
FAQ
DATABASES

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Webinar on the progress in implementation of CIR (EU) 2021/808

The School for Advanced Residue Analysis in Food (SARAF) is once again organising a webinar on the implementation of Commission Implementing Regulation (EU) 2021/808. This webinar is the fourth instalment in the series and is entitled: "Progress update 5 years after the publishing of the official texts – testimonies of a competent authority, VMPR EURLs and reference labs in Europe".

The webinar takes place on 17 December – 09:00-12:00 CET and is free of charge.

Registration can be done using the following link : <https://app.livestorm.co/inrae/cir-eu-2021808-of-22-march-2021-part-iv/live?z=69205c13-b7ae-4059-aba7-dd2da5b3309f>

This entry was posted in News on December 11, 2025 by Katrin Kittler.

EURL Residue Prioritisation SARAF Webinar 2025 - J. Polzer

CIR (EU) 2021/808 (consol. 17 February 2025)



COMMISSION IMPLEMENTING REGULATION (EU) 2021/808

of 22 March 2021

on the performance of analytical methods for residues of pharmacologically active substances used in food-producing animals and on the interpretation of results as well as on the methods to be used for sampling and repealing Decisions 2002/657/EC and 98/179/EC

Qualitative confirmatory analysis

2.1. Performance characteristics to be determined for analytical methods

HRMS guidance

1.2.4. Specific performance criteria for mass spectrometry
1.2.4.1. Mass spectrometric detection

MMPR guidance

1.2.1. General requirements for confirmatory methods

Substance data base and stability data base

2.5. Stability
2.5.1. / 2.5.2
Determination of the stability of the analyte in solution / in matrix

CIR (EU) 2021/808 (consol. 17 February 2025)



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Table 5

Classification of analytical methods by the performance characteristics that have to be determined

Method	Confirmation		Screening		
	Qualitative	Quantitative	Qualitative	Semi-quantitative (*)	Quantitative
Substances	A	A, B	A, B	A, B	A, B
Identification in accordance with 1.2.	x	x			
CC α	x	x			
CC β	—		x	x	x
Trueness	↑	x			x
Precision		x		(x)	x
Relative matrix effect/absolute recovery (*)		x			x
Selectivity/Specificity		x	x	x	x
Stability (#)		x	x	x	x
Ruggedness		x	x	x	x

Qualitative confirmatory analysis

The idea : to express that qualitative detection of a banned substance is sufficient for objection.

However, there was and is currently **no analytical procedure for a simple yes/no decision** for confirmation



<https://commons.wikimedia.org/>

Requirement for confirmation of A-substances : **use of MS-based techniques**

Qualitative (semi-quantitative) confirmatory analysis

CHAPTER 2

VALIDATION

2.1. Performance characteristics to be determined for analytical methods

By means of the validation of the method, it shall be demonstrated that the analytical method complies with the criteria applicable for the relevant performance characteristics. Different control purposes require different categories of methods. Table 5 determines which performance characteristic shall be verified for which type of method, further explanation of each parameter is given in this chapter.

EURL interpretation:

The usual approach should be to **validate confirmatory methods as quantitative methods**. If the quantification criteria for A substances are not met, these methods can be used as **“semi-quantitative”** methods.

The CC α shall be determined for confirmatory methods. The CC α shall be established under conditions complying with the requirements for **identification plus (semi-)quantification**

Calculation methods according to “2.6 Decision limit for confirmation (CC α)”
1 (a) and 1 (c) can be applied (precision requirements in Table 2 of Annex I has not to be met).

HRMS guidance

For confirmation of the identity of an analyte in high-resolution mass spectrometry (HRMS) the mass deviation of all diagnostic ions shall be below 5 ppm (or in case of $m/z < 200$ below 1 mDa). On basis of this the effective resolution should be selected fit for purpose and the resolution shall typically be greater than 10 000 for the entire mass range at 10 % valley or 20 000 at full width at half maximum (FWHM).

For HRMS :

definition of mass accuracy and resolution

General :

For identification: identification point system
(4 / 5 identification points for confirmation)

Requirements for precursor ion selection,
product/fragment ion selection, relative ion intensities

Table 3
Identification points per technique

Technique	Identification Points
Separation (mode GC, LC, SFC, CE)	1
LR-MS ion	1
Precursor ion selection at $<+0,5$ Da mass range	1 (indirect)
LR-MS ⁿ product ion	1,5
HR-MS ion	1,5
HR-MS ⁿ product ion	2,5

HRMS guidance



- Complexity of new HRMS techniques is **not addressed in CIR (EU) 2021/808**
 - Need of interpretation of the requirements of CIR (EU) 2021/808

EURL / NRL Working Group

e.g. additional definitions ...

- | | | |
|--|--------------------------------------|-----------------------|
| ✓ Collision Cross Section (CCS) | ✓ Non-target detection | ✓ Chemical space |
| ✓ Data-independent acquisition (DIA) | ✓ Non-target screening | ✓ Componentization |
| ✓ Dynamic Range | ✓ Orbitrap | ✓ Exclusion List |
| ✓ Exclusion list | ✓ Parallel reaction monitoring (PRM) | ✓ Feature extraction |
| ✓ Fingerprinting | ✓ Scan speed | ✓ Ion mobility |
| ✓ Full Scan MS | ✓ Suspect screening | ✓ MS Ion |
| ✓ Full Scan confirmatory analysis | ✓ Semi-Targeted Analysis | ✓ Quadrupole Orbitrap |
| ✓ High-Resolution Mass Spectrometry (HRMS) | ✓ Target | |
| ✓ Inclusion List | ✓ Target screening | |
| ✓ Mass extraction window (MEW) | ✓ Target Sim (t-SIM) | |
| | ✓ Targeted detection | |

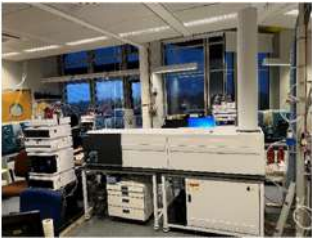
HRMS guidance



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Measurement modes...

Identification criteria fulfilled ?



Measurement Modes	Orbitrap	QToF	Screening / Confirmation	Precursor selection	Fragments (traceable to a)	Isotopic pattern/Spectra	Spectra	Ion ratio	Identification point CIR (EU) 2021/808	Relative intensities (ion ratio)	Confirmation by considering
1. Full MS (no fragmentation)	Full scan MS	MS Only (Full MS, Full scan)	x (suspect, non-target) screening only	Accurate mass ≤ 5 ppm	no	yes	Library/Databases	Available by comparison with library/databases. Limited information	Chromatographic separation: 1 HR-MS ion: 1.5 Accurate mass ≤ 5 ppm (values higher than 5 ppm could be allowed for Screening purposes)	Isotopic pattern Comparison to library/databases and considering a scoring	no
	AIF (All Ion Fragmentation)	All Ion	x (target, suspect, non-target) Screening/Confirmation	Accurate mass ≤ 5 ppm	no	yes	Spectra of precursor ion and possible fragments	Available by comparison with library/databases; Available depending on the evaluation software; Considered in scoring	Chromatographic separation: 1 HR-MS ion: 1.5 HR-MS ⁿ product ion (*) 1.5 1.4 Accurate mass ≤ 5 ppm (values higher than 5 ppm are allowed for Screening) Accurate mass for fragment ions/ HR-MS ions ≤ 5 ppm (should also be considered) Isotopic pattern	Available by comparison with library/databases QToF: ion ratio available by using Quantification software For Qualification software: ion ratio considered in scoring	Chromatographic separation HR-MS ion For authorised substances at least 2 x HR-MS ⁿ product ions (*) For non-authorised substances at least 3 x HR-MS ⁿ product ions (*) Accurate mass of precursor ion (≤ 5 ppm) Accurate masses of fragment ions (≤ 5 ppm) Isotopic pattern
2. Full MS with Fragmentation / without precursor ion isolation		DDA, Auto MS/MS, SWATH	x (suspect, non-target, target) Screening/Confirmation	Accurate mass ≤ 5 ppm	no	yes	Spectra of precursor ion and possible fragments	Available by comparison with library/databases; Available depending on the evaluation software; Considered in scoring	Chromatographic separation: 1 HR-MS ion: 1.5 HR-MS ⁿ product ion (*) 1.5 1.4 Accurate mass ≤ 5 ppm (values higher than 5 ppm are allowed for Screening) Accurate mass for fragment ions/ HR-MS ions ≤ 5 ppm (should also be considered) Isotopic pattern	Available by comparison with library/databases QToF: ion ratio available by using Quantification software For Qualification software: ion ratio considered in scoring	Chromatographic separation HR-MS ion For authorised substances at least 2 x HR-MS ⁿ product ions (*) For non-authorised substances at least 3 x HR-MS ⁿ product ions (*) Accurate mass of precursor ion (≤ 5 ppm) Accurate masses of fragment ions (≤ 5 ppm) Isotopic pattern
		Data Independent Analysis (DIA)	x (target, suspect, non-target) Screening/Confirmation	Accurate mass ≤ 5 ppm	no	yes	Spectra of precursor ion and possible fragments	Available by comparison with library/databases; Available depending on the evaluation software; Considered in scoring	Chromatographic separation: 1 HR-MS ion: 1.5 HR-MS ⁿ product ion (*) 1.5 1.4 Accurate mass ≤ 5 ppm (values higher than 5 ppm are allowed for Screening) Accurate mass for fragment ions/ HR-MS ions ≤ 5 ppm (should also be considered) Isotopic pattern	Available by comparison with library/databases QToF: ion ratio available by using Quantification software For Qualification software: ion ratio considered in scoring	Chromatographic separation HR-MS ion For authorised substances at least 2 x HR-MS ⁿ product ions (*) For non-authorised substances at least 3 x HR-MS ⁿ product ions (*) Accurate mass of precursor ion (≤ 5 ppm) Accurate masses of fragment ions (≤ 5 ppm) Isotopic pattern
		Full MS (dd-MS ² (Top n) without inclusion list	x (suspect, non-target) Screening/Confirmation	Accurate mass ≤ 5 ppm	no	yes	Spectra of precursor ion and possible fragments	Available by comparison with library/databases; Available depending on the evaluation software; Considered in scoring	Chromatographic separation: 1 HR-MS ion: 1.5 HR-MS ⁿ product ion (*) 1.5 1.4 Accurate mass ≤ 5 ppm (values higher than 5 ppm are allowed for Screening) Accurate mass for fragment ions/ HR-MS ions ≤ 5 ppm (should also be considered) Isotopic pattern	Available by comparison with library/databases ObiTrap: ion ratio considered in scoring	Chromatographic separation HR-MS ion For authorised substances at least 2 x HR-MS ⁿ product ions (*) For non-authorised substances at least 3 x HR-MS ⁿ product ions (*) Accurate mass of precursor ion (≤ 5 ppm) Accurate masses of fragment ions (≤ 5 ppm) Isotopic pattern
		Full MS (dd-MS ² (Top n) with inclusion list	x (target), Confirmation	Accurate mass ≤ 5 ppm	yes	yes	yes (full scan)	Available by comparison with library/databases; Considered in scoring	Chromatographic separation: 1 HR-MS ion: 1.5 HR-MS ⁿ product ion (*) 1.5 1.4 Accurate mass ≤ 5 ppm (values higher than 5 ppm are allowed only for Screening) Accurate mass for fragment ions/ HR-MS ions ≤ 5 ppm (should also be considered) Isotopic pattern	Considered by comparison with library/databases ObiTrap (TraceFinder): ion ratio considered in scoring	Chromatographic separation HR-MS ion For authorised substances at least 2 x HR-MS ⁿ product ions (*) For non-authorised substances at least 3 x HR-MS ⁿ product ions (*) Accurate mass of precursor ion (≤ 5 ppm) Accurate masses of fragment ions (≤ 5 ppm) Isotopic pattern
		Data Independent Analysis (DIA)	x (target, suspect, non-target) Screening/Confirmation	Accurate mass ≤ 5 ppm	no	yes	Spectra of precursor ion and possible fragments	Available by comparison with library/databases; Available depending on the evaluation software; Considered in scoring	Chromatographic separation: 1 HR-MS ion: 1.5 HR-MS ⁿ product ion (*) 1.5 1.4 Accurate mass ≤ 5 ppm (values higher than 5 ppm are allowed for Screening) Accurate mass for fragment ions/ HR-MS ions ≤ 5 ppm (should also be considered) Isotopic pattern	Available in TraceFinder data evaluation	Chromatographic separation HR-MS ion For authorised substances at least 2 x HR-MS ⁿ product ions (*) For non-authorised substances at least 3 x HR-MS ⁿ product ions (*) Accurate mass of precursor ion (≤ 5 ppm) Accurate masses of fragment ions (≤ 5 ppm) Isotopic pattern
3. Full MS with Fragmentation / with precursor ion isolation		Targeted MS/MS SWATH/FRIT [®] MS/MS [®]	x (target, suspect), Confirmation	Accurate mass ≤ 5 ppm	yes	yes	yes (full scan)	yes	Chromatographic separation: 1 HR-MS ion: 1.5 HR-MS ⁿ product ion: 2.5 Accurate mass ≤ 5 ppm (values higher than 5 ppm are allowed only for Screening) Accurate mass of fragment ions ≤ 5 (should also be considered)	Available in Quantitative data evaluation	Chromatographic separation HR-MS ion For authorised substances at least 2 x HR-MS ⁿ product ions Accurate mass of precursor ion (≤ 5 ppm) Accurate masses of product ions/fragment ions (≤ 5 ppm) Isotopic pattern
		DDA (Auto MS/MS) with inclusion list	x (target, suspect), Confirmation	Accurate mass ≤ 5 ppm	yes	yes	yes (full scan)	yes	Chromatographic separation: 1 HR-MS ion: 1.5 HR-MS ⁿ product ion (*) 2.5 Accurate mass ≤ 5 ppm (values higher than 5 ppm are allowed only for Screening) Accurate mass of fragment ions ≤ 5 ppm (should also be considered) Isotopic pattern	Available in Quantitative data evaluation	Chromatographic separation HR-MS ion For authorised substances at least 2 x HR-MS ⁿ product ions For non-authorised substances at least 2 x HR-MS ⁿ product ions Accurate mass of precursor ion (≤ 5 ppm) Accurate masses of product ions/fragment ions (≤ 5 ppm) Isotopic pattern
		SIM, target SIM, multiples SIM	x (target), Confirmation	Accurate mass ≤ 5 ppm	yes	yes	yes (full scan)	yes	Chromatographic separation: 1 HR-MS ion: 1.5	Available in TraceFinder data evaluation	Chromatographic separation HR-MS ion For authorised substances at least 2 x HR-MS ⁿ product ions For non-authorised substances at least 2 x HR-MS ⁿ product ions Accurate mass of precursor ion (≤ 5 ppm) Accurate masses of product ions/fragment ions (≤ 5 ppm) Isotopic pattern
		PRM (Parallel Reaction Monitoring)	x (target), Confirmation	Accurate mass ≤ 5 ppm	yes	yes	yes (full scan)	yes	Chromatographic separation: 1 HR-MS ion: 1.5 HR-MS ⁿ product ion: 2.5 Accurate mass of precursor ion ≤ 5 ppm (values higher than 5 ppm are allowed only for Screening purposes)	Available in TraceFinder data evaluation	Chromatographic separation HR-MS ion For authorised substances at least 2 x HR-MS ⁿ product ions For non-authorised substances at least 2 x HR-MS ⁿ product ions Accurate mass of precursor ion (≤ 5 ppm) Accurate masses of product ions/fragment ions (≤ 5 ppm) Isotopic pattern
	SRM/MS/MS ²	x (target), Confirmation	Accurate mass ≤ 5 ppm	yes	yes	yes (full scan)	yes	Chromatographic separation: 1 HR-MS ion: 1.5 HR-MS ⁿ product ion: 2.5 Accurate mass of precursor ion ≤ 5 ppm (should also be considered)	Available in TraceFinder data evaluation	Chromatographic separation HR-MS ion For authorised substances at least 2 x HR-MS ⁿ product ions For non-authorised substances at least 2 x HR-MS ⁿ product ions Accurate mass of precursor ion (≤ 5 ppm) Accurate masses of product ions/fragment ions (≤ 5 ppm) Isotopic pattern	

HRMS guidance



1. Full MS (no fragmentation)
- 2. Full MS with Fragmentation / without precursor ion isolation**
3. Full MS with Fragmentation / with precursor ion isolation

Orbitrap	QToF	Screening / Confirmation	Precursor selection	Fragments (traceable to a single precursor)	Isotopic pattern/Spectra	Spectra	Ion ratio
AIF (All Ion Fragmentation)	All Ion	x (target, suspect, non-target) Screening/Confirmation	Accurate mass \leq 5 ppm	no	yes	Spectra of precursor ion and possible fragments	Available by comparison with libraries/database; Available depending on the evaluation software; Considered in scoring

Identification point CIR (EU) 2021/808	Relative intensities (ion ratio)	Confirmation by considering
Chromatographic separation : 1 HR-MS ion: 1,5 HR-MS ⁿ product ion (*): 1,5 (*) Accurate mass \leq 5 ppm (values higher than 5 ppm are allowed for Screening) Accurate mass for fragment ions/ HR-MS ions \leq 5 ppm (should also be considered) Isotopic pattern	Available by comparison with libraries/databases QToF : ion ratio available by using Quantification software For Qualification software: ion ratio considered in scoring	Chromatographic separation HR-MS ion For authorised substances at least 2 x HR-MS ⁿ product ions (*) For non-authorised substances at least 3 x HR-MS ⁿ product ions (*) Accurate mass of precursor ion (\leq 5 ppm) Accurate masses of fragment ions (\leq 5 ppm) Isotopic pattern

COMMISSION IMPLEMENTING REGULATION (EU) 2021/808

of 22 March 2021

1.2.1. General requirements for confirmatory methods

For prohibited or unauthorised substances, the **CC α shall be as low as reasonably achievable**. For prohibited or unauthorised substances, for which an RPA is established under Regulation (EU) 2019/1871 the CC α shall be lower than or equal to the reference point for action.



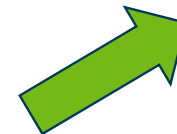
MMPR guidance

COMMISSION DELEGATED REGULATION (EU) 2022/1644

of 7 July 2022

ANNEX I

Group A – **Prohibited or unauthorised pharmacologically active substances** in food-producing animals



MMPR guidance



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Minimum Method Performance Requirement (MMPR) Clarification of method requirements – “level of interest”

Laboratories should ensure :

CC β for screening methods

CC α for confirmatory methods

< **MMPR!**

= > Introduction of default values
for substance groups



MMPR guidance



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Specific rules for MMPR

All substances in **table 1 of CR (EU) 37/2010 count as B-substances**, also in case of “restrictions” e.g. for a species (an individual evaluation of consumer risks / health concerns has taken place)

Exception : Council Directive 96/22/EC substances (“ban of growth promoters”)

Simplified rule for B-substances without MRL in a specific matrix or species:

the MMPR is 1/4th of the “cascade MRL”

This requires in principle **a spike level of down to 0.1 times the cascade MRL** - where analytically feasible

The “cascade MRL” is based on European law (Regulation (EU) 2019/6 on veterinary medicinal products, Art. 113, 114) - Exceptional use of a medicinal product outside the terms of the marketing authorization under the direct personal responsibility of a veterinarian (to avoid causing unacceptable suffering of the animals)

Support in method development and validation



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Databases ...

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Federal Office of Consumer Protection and Food Safety

ALMANAC - AnaLYtical Method vAlidation dAta Collection

used in the NRLs of the European Union for the substance groups A1, A2c, A3b, A3d, A3e, A3f, A3g, B1b, B1c, B1d, B1e, B2 and in the German Routine Field Laboratories for all substance groups of Annex I, CDR (EU) 2022/1644

EU and National Reference Laboratory for Residues

Home

all fields are open for search

COLOR AND GROUP LEGEND

ON Main Information ON Legal aspects ON General chemical information ON Analytical Information (HRMS) ON Analytical Information (LRMS) ON Standard information ON Solubility ON C

Search...

Changed	Pharmacologically Active Substance	Internal Standards	Main Compound	CAS Number	Compound Group	Substance group (2022/1644)	EFSA Code	NRCP	MRL/ML/MMPR/RPA	Legal Requirements	IUPA
5/14/2024	Clenbuterol	Clenbuterol-D9	Clenbuterol	37148-27-9	Beta-Agonists	A1e	RF-00000478-VET	minimum required	MMPR, MRL	EURL_MMPR_guid...	1-4-
5/14/2024	Brombuterol	Brombuterol-D9	Brombuterol	41937-02-4	Beta-Agonists	A1e	RF-00000455-VET	minimum required	MMPR	EURL_MMPR_guid...	1-4-
5/14/2024	Isoxsuprine	Alloerythro-Isoxsu...	Isoxsuprine	395-28-8	Beta-Agonists	A1e	RF-00000461-VET	minimum required	MMPR	EURL_MMPR_guid...	4-[1-
5/14/2024	Ractopamine	Ractopamine-D6	Ractopamine	97825-25-7	Beta-Agonists	A1e	RF-00000468-VET	minimum required	MMPR	EURL_MMPR_guid...	4-[3-
5/14/2024	Salbutamol	Salbutamol-D9	Salbutamol	18559-94-9	Beta-Agonists	A1e	RF-00000459-VET	minimum required	MMPR	EURL_MMPR_guid...	4-[2-
5/14/2024	Zilpaterol	Zilpaterol-13C3	Zilpaterol	119520-05-7	Beta-Agonists	A1e	RF-00000493-VET	minimum required	MMPR	EURL_MMPR_guid...	(9R.1
5/14/2024	Chlorbrombuterol	Bromchlorbuterol...	Chlorbrombuterol	37153-52-9	Beta-Agonists	A1e	RF-00000473-VET	recommended	MMPR	EURL_MMPR_guid...	1-4-
5/14/2024	Cimaterol	Cimaterol-D7	Cimaterol	54239-37-1	Beta-Agonists	A1e	RF-00000481-VET	recommended	MMPR	EURL_MMPR_guid...	2-an
5/14/2024	Cimbuterol	Cimbuterol-D9	Cimbuterol	54239-39-3	Beta-Agonists	A1e	RF-00000482-VET	recommended	MMPR	EURL_MMPR_guid...	2-an

Privacy Policy

Substance data base and stability data base

Main information

Legal aspects

Chemical informations

HRMS information

LRMS information

Standard information

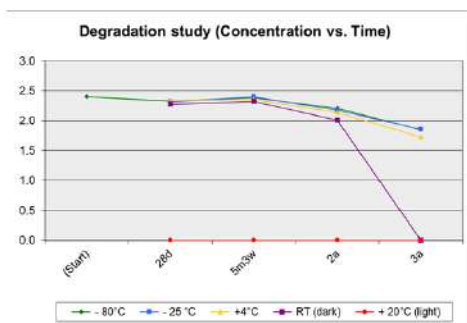
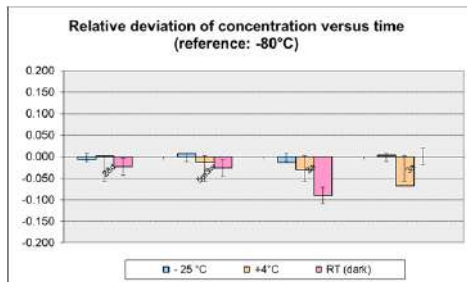
Solubility, **stability** and contact

Pharmacologically Active Substance	Internal Standards	Main Compound	CAS Number	Compound Group	Substance group (2022/1644)	EFSA Code	NRCP	MRL/ML/MM	IUPAC	SMILES Formula	InChI Key	Molecular Formula	Monoisotopic	Fragment 1	Fragment 2	Fragment 3
Afoxolaner																
Chlorbrombuterol	Bromchlorbuterol															
Lotilaner							other									
Sotalol hydrochloride																
Sarolaner																
Zilpaterol																
Clenbuterol																
Isoxsuprine																
Cimaterol																
Cimbuterol																
m/z (LR)	MS/MS Transitions 1	MS/MS Transitions 2	MS/MS Transitions 3	Standard available	Standard name supplier (including salt etc)	CAS-number standard (e.g. salts)	Possible supplier	Solubility	With Stability	Contact	578	196.0390				
425.9	138.0	195.9		Yes	Afoxolaner	1093861-60-9	WITEGA Laboratorien				629	303.0254				
321.2	132.2	168.1		Yes	Bromoclenbuterol hydrochloride	78982-84-0	WITEGA Laboratorien	Ethanol		BVL	496	165.9955				
595.9	165.9	496.9		Yes	Lotilaner	1369852-71-0	WITEGA Laboratorien	Ethanol	1 year, -20 °C, 12,5...	BVL		255.1162				
273.4	133.1	213.1		Yes	Sotalol hydrochloride	959-24-0	WITEGA Laboratorien	Ethanol		BVL	223	129.0704				
480.9	115.1	415.9		Yes	Sarolaner	1398609-39-6	WITEGA Laboratorien	Ethanol		BVL	709					
262.2	157.1	185.1		Yes	Zilpaterol hydrochloride	119520-06-8	WITEGA Laboratorien	Ethanol		BVL	449	20...				
277.3	132.1	168.1		Yes	Clenbuterol hydrochloride	21898-19-1	Sigma-Aldrich Chemie	Ethanol	1 year, -20 °C, 125...	BVL	913	284...				
302.3	107.0	150.1		Yes	Isoxsuprine hydrochloride	579-56-6	Sigma-Aldrich Chemie	Ethanol	1 year, -20 °C, 12,5...	BVL	602					
220.3	143.1	160.2		Yes	Cimaterol	54239-37-1	WITEGA Laboratorien	Ethanol	1 year, -20 °C, 25 n...	BVL	604					
234.3	116.1	143.1		Yes	Cimbuterol	54239-39-3	WITEGA Laboratorien	Ethanol	1 year, -20 °C, 50 n...	BVL						
								Ethanol	1 year, -20 °C, 25 n...	BVL						

EURL / NRL working group on stability

2.5. Stability

(..)If stability data for analytes in the matrix are available (e.g. on the basis of information from the EURLs, published data, etc.), **these data do not need to be determined by each laboratory**. However, referring to available stability data of analytes in solution and in matrix is only acceptable if **identical conditions** are applied.



EURL / NRL Working Group

- Suitable procedures for **stability data collection** (who can submit data, to whom shall data be submitted, who checks data, who decides which data is accepted, entry into platform, notification of submitting person)
- **Selection of data** for evaluation (quality criteria for acceptance)
- Presentation of stability data (types of graphs, csv)
- Requirements for a platform for presentation of stability data

= > **Guidance on stability studies** (available by the end of the year on the EURL website)

Substance data base and stability data base



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Data collection - Import file

○ General information

- Substance
- CAS No.
- Data source (BVL, ...)
- Date of submission

○ Study information

- Solution/Extract/Matrix/Other
- Evaluation w regard to ISTD
- Study endpoint
- Vessel material (glass, polypropylene, de-activated glass, other plastic)
- Study code (unique code for relating all individual results to a complete study)

○ Storage conditions

- Temperatures
- Storage Time
- Storage Time Unit
- Longest storage time of this study
- Light/Dark

- Different entries depending on Matrix, Solution or Extract: e.g. incurred material, species, solvent component, sample preparation

○ Measurement

- Measurement Technique
- No. of test portions per T-t combination
- Results obtained using IS?

○ Method

- screening/confirmation
- quant/semi-quant/qual
- confirmation criteria were assessed y/n

○ Results

- results as area, ratio, concentration
- results after storage confirmed/not confirmed
- Numerical result (mean of all replicates per T-t combination)
- repeatability/reproducibility std dev
- Reference (fresh sol/matrix, reference T, initial measurement)
- stability criterion

Outlook



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HRMS guidance

1.2.4. Specific performance
criteria for mass
spectrometry
1.2.4.1. Mass spectrometric
detection

MMPR guidance

1.2.1. General requirements
for confirmatory methods

Substance data base and stability data base

2.5. Stability
2.5.1. / 2.5.2
Determination of the
stability of the analyte in
solution / in matrix

Availabilities

Guidance documents will be released in the 1st quarter of 2026

Substance data base is available (partly restricted access)

Stability data base in the course of 2026



<https://pixnio.com/de/objekte/fernglas-makro-geraet>

**Thank you for your
interest !**

Contact :

<https://eurl-residues.eu/>



...and our EURL teams for their contributions !