


CERTIFICATE OF ANALYSIS
Standard Solution of Trichothecenes mixture SF2 in Methanol LCMS grade
Description of the standard

	Product name:	Standard Solution of Trichothecenes mixture SF2		
	Product number:	FIA000324		
	CAS number:	3-Acetyl-Deoxynivalenol	50722-38-8	
		15-Acetyl-Deoxynivalenol	88337-96-6	
		Deoxynivalenol	51481-10-8	
		15-Acetoxy-scirpenol	2623-22-5	
		T2 Triol	34114-98-2	
	Batch:	SF219041601		
	Expiry date:	15-Oct-2026		
	Certified value (s):	3-Acetyl-Deoxynivalenol	2,00	mg/L
		15-Acetyl-Deoxynivalenol	2,00	mg/L
		Deoxynivalenol	18,40	mg/L
		15-Acetoxy-scirpenol	1,44	mg/L
		T2 Triol	1,00	mg/L
	Physical description:	≤ -10°C		
	Packing	Amber glass vial filled with 10 mL of solution		
	Storage conditions	≤ -10°C		
	Matrix and starting material:	This material was prepared with/from:		
		Methanol LCMS Grade	Batch:	P4A580164
		3-Acetyl-Deoxynivalenol	Internal ID:	SF25X19041601
		15-Acetyl-Deoxynivalenol		
		Deoxynivalenol		
		15-Acetoxy-scirpenol		
		T2 Triol		

Intended use of the standard:

For laboratory use only. Not for drug, household or other uses. The main purpose of this material is :

- Demonstrate mastery of a measurement process within a laboratory over a given period;
- Check the performance of the instrument;
- Repeatability and reproducibility studies: repeated use over a long period of time, instruments, operators, etc., to estimate the long-term reproducibility or robustness of a measuring process or that of a laboratory;
- Confirm the degree of equivalence of measurement results from at least two laboratories (e.g. supplier and user);
- Check variability due to the operator;
- Study the impact of any variation in environmental conditions (e.g. temperature, humidity).

Instruction for the correct use of the standard:

The vial should be stored in a dark place at This material was prepared with/from: . Before usage of the standard, allow the vial to warm to room temperature. If condensation is present on the bottle, the bottle should be wiped before opening. Homogenization can be done by vortexing for at least 10 seconds. There is no indication as to the vortex speed, but the vortex must be visible to the user. The bottle should not be left open on the bench, it should be opened only to take the necessary quantity and immediately closed. The expiry date of this standard is based on the current knowledge and holds only for proper storage conditions in the originally closed vials / packages.

Hazardous situation:

H225 : Flammable liquid - Category 2 - Highly flammable liquid and vapour

H301 : Acute toxicity - Oral - Category 3 - Toxic if swallowed

H311 : Acute toxicity - Dermal - Category 3 - Toxic in contact with skin

H331 : Acute toxicity - Inhalation - Category 3 - Toxic if inhaled

H370 : Acute toxicity - Organs - Category 1 - Causes damage to organs

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Avoid exposure. Wear suitable protective clothing.

Safety measures:

Special care must be taken when manipulating this standard. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Use in a chemical fume hood. Safety shower and eye bath must be near. In case of spills, cover and absorb with an inert dry material such as dry-lime, sand or soda ash and place in an appropriate waste disposal container.

Keep container tightly closed. Do not store in direct sunlight. Keep away from heat, sparks, flame and incompatible material. Storage area should be cool, dry and away from incompatible materials.

Final users should conduct their own investigations to determine the suitability of the information for their particular research purposes. Under no circumstances will the supplier of this standard be held responsible for any damage resulting from handling or contact with the product.

More information are available on the SDS online on www.fianovis.com/documentation.

Commutability

As part of the standards produced by Fianovis, the property values are guaranteed for chromatography analysis. For another use, the user must make additional qualification to use it in this context.

References:

- NF ISO 33401 (2024), Reference Materials - Contents of certificates, labels and accompanying documentation.
- ISO 17034 (2016) General requirements for the competence of reference material producers.
- ISO/IEC 17025 (2017) General requirements for the competence of testing and calibration laboratories.
- ISO 33405 (2024), Reference Materials - Approaches for characterization and assessment of homogeneity and stability.
- ISO TR 16476 (2016) Reference Materials – Establishing and expressing metrological traceability of quantity values assigned to reference materials.
- JCGM 100(2008) (E) – Evaluation of measurement data - Guide to the expression of uncertainty in measurement.

Control and Certification

Edited by: Quality Control department

BUTHION Alicia

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