

REFERENCE MATERIAL CERTIFICATE

Reference Material

This certificate is designed in accordance with ISO Guide 31. This reference material (RM) was designed, produced and verified in accordance with a registered quality management system ISO 9001. All measurements were performed according to ISO/IEC 17025 by a DAkkS accredited laboratory (D-PL-19883-01-00).

Product Name Spirodiclofen-enol

Product Code DRE-C16972960

CAS No. 148476-22-6

Mol. Weight 313.18

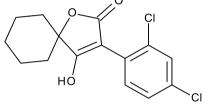
Mol. Formula $C_{15}H_{14}Cl_2O_3$

Lot Number 1131174

Format Neat Expiry Date

15 Jun 2024 Storage Temp

20°C ± 4°C



CERTIFIED Purity 99.9% (g/g)



Uncertainty

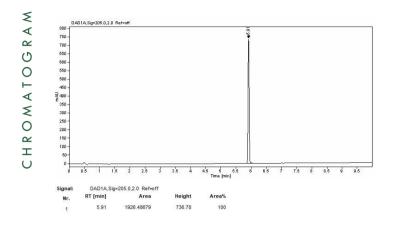
The certified value(s) and uncertainty(ies) are determined in accordance with EURACHEM/CITAC Guide for "Quantifying Uncertainty in Analytical Measurement, 3rd edition", with an 95% confidence level (k=2). Uncertainty is based on the Total Combined Uncertainty, including uncertainties of characterisation and stability testing. Stability values are based on real evidence opposed to simulation.

The producer certifies that this reference material meets the specification stated in this certificate until the expiry date, provided it is stored unopened at the recommended temperature herein. Product warranties for this reference material are set out in the terms and conditions of purchase.

CERTIFIED BY	CERTIFIED ON	D. Schmod	
D. Schmid	15 Jun 2021		RM Release



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Instrument UHPLC/DAD

Detection DAD

Column LUNA Omega C18 1.6 µm 100 x 2.1 mm

Method Details see Batch Information

Inj.-Vol.

2.0 µL

Flow 0.5 mL/min

Method of Characterisation

Purity = 100% - Assay impurities

Method of Identification EA, NMR, RT, IR, MS, UV

EA, NMR, RT, IR, MS, UV

Batch Information

Intended Use

techniques.

Data Sheet.

Traceability

Safety

Method Details: Eluent A: 100% Acetonitrile Eluent B: Water + 0.5% H3PO4 Time [min] 0 0.3 8

This RM is intended for use in a

control standard or in method

Proper precautions should be

observed while handling. See Safety

The balances used for gravimetric

measurements are calibrated with weights traceable to the national

development for analytical

9.5

laboratory as a calibration and quality

100 standards (DKD). The calibration of Ir the balances is verified daily internally It and annually by an external accredited Ir calibration service. Chromatographic Ir methods are traceable to the Ir

Eluent A [%]

10

10

100

Storage

The RM should be stored in the original sealed container at the indicated temperature.

International System of Units (SI).

Instructions for use

It is recommended to use 1 mg as the minimum sample size and if less material is used, to increase the certified uncertainty by a factor of two for half sample and four for a quarter of sample. If storage after opening is necessary, the RM should be tightly closed and kept from light and moisture. If the RM was in a sealed ampoule, it should be transferred to a vial with minimum head space. Visit the support section of our website lgcstandards.com for a series of Dr. Ehrenstorfer Tech Tip videos and frequently asked questions.

Eluent B [%]

90 90

0

0

LGC Labor GmbH

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