

688567**Lot: 831190****Myclobutanil**

Concentration	100.0 µg/ml	Expanded Uncertainty	3.2 µg/ml
Solvent	Acetonitrile	Expiry Date	01 Apr 2027
Formula	C15H17CIN4	Store at	4°C (in the dark)
Mol. Weight	288.78 g/mol		
CAS-No.	88671-89-0	Format	Solution

Certified on 23 Mar 2025

by Corinna Gröst
RM Release

For the calculation of the concentration, the purity of the compound has already been considered.

Instructions for use: Our standards are for laboratory use only and can be used as reference material for calibration of chromatographic systems or related analytical techniques. For handling instructions see the MSDS. Please mix the solution before usage. If particles or precipitation are detected, sonify until solved. The material is homogenous. There is no minimum sample specified. The material in the vial can be used multiple times, but it is strongly recommended, that all external negative influences for the material are considered and ruled out (e.g. high temperatures, UV-radiation, moisture, oxygen) and that the weight of the bottle between all uses are noted to remain constant to exclude concentration deviations. It is strongly recommended to open the vial at room temperature only and handle the material under inert gas if necessary. The integrity of the purity cannot be guaranteed, if the substance is handled under unfavorable conditions.

The certified values and uncertainties are determined in accordance with ISO 17034 with an 95% confidence level ($k=2$). Uncertainty is based on the total combined uncertainty, including uncertainties of preparation, homogeneity and stability testing. The expiry date is based on the current knowledge and holds only for proper storage conditions of the originally closed flask. If the substance is proven to be unstable under the given storage conditions, you will be contacted immediately. The warranty of this product is limited to the purchasing price of this product and to the first point of use. The indicated long-term storage temperature can vary in a range of ± 4 °C.

Traceability:

Analyte calculated from	Myclobutanil
Lot	823512 neat product used for the preparation of the solution
Purity (neat)	98.53 % (g/g)

The certified value "Concentration" is traceable via the balances that were used in the preparation of the solutions. The balances used are calibrated with weights traceable to the national standards. The calibration of the balances are verified daily internally and annually by an external accredited calibration service. Quantification of the neat compound by qNMR is traceable to primary NIST Standard. This makes the values traceable to the SI.

The HPC Standards GmbH, accredited by DAkkS as indicated by the accreditation number D-RM-20844-01-00, has shown competence based on ISO 17034:2017 for production of certified reference materials.

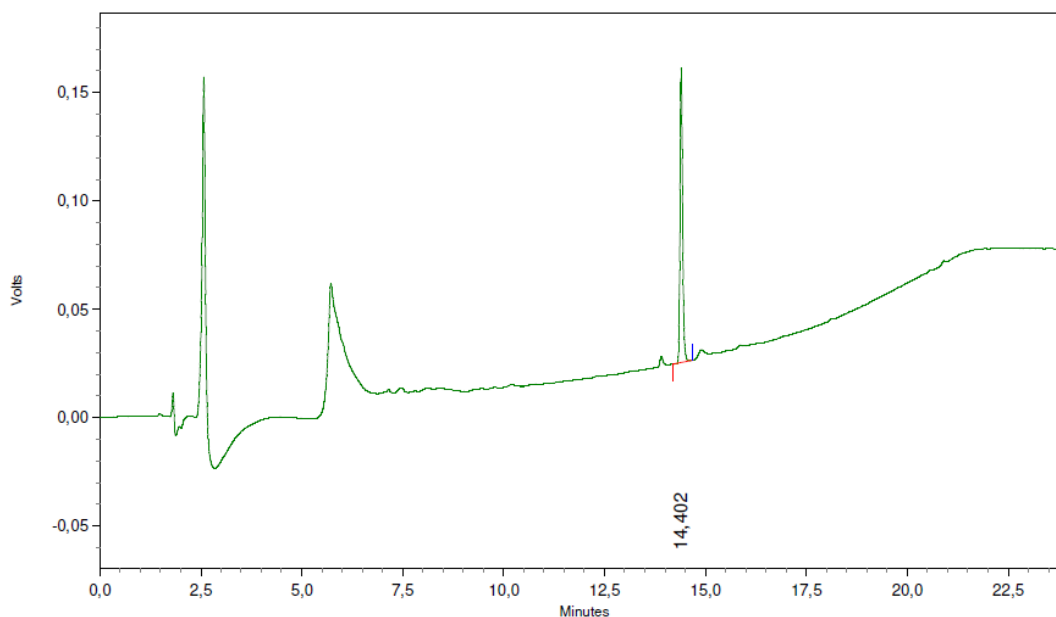


HPLC-Method

Article 688567
 Lot-No. 831190
 Column L=100mm, ID=4.6mm; Kinetex C18, 2.6µm
 Eluent A 0.1% TFA (Acetonitrile)
 Eluent B 0.1% TFA (Water)
 Gradient

time	%A	%B
0 min	0	100
19 min	90	10
22 min	90	10

Flow 0.7 ml min⁻¹
 Detector UV-220nm



Exemplary chromatogram of given method.

For additional information please see the Attachment to the CoA that can be downloaded at www.hpc-standards.com.

Version	Article	Lot	Reason for Change	Date
1	688567	831190	Initial Version	23 Mar 2025