675354 **Lot: 822172**

Sulfachloropyridazine

1. General Information

Formula	C10H9ClN4O2S	Expiry Date	01 Nov 2029
Mol. Weight	**284.72 g/mol**	Store at	4°C (in the dark)
CAS-No.	80-32-0		

2. Batch Analysis

Identity	confirmed by LC-MS		
Overall Purity	**99.84 % (g/g)**	**Expanded Uncertainty**	**0.34 % (g/g)**
Assay Purity (HPLC)	99.84 % (g/g)	Uncertainty	0.17 % (g/g)

Certified on 14 Nov 2023

by Corinna Gröst
RM Release

The overall purity is calculated by: Purity(%) = Assay purity*(100-water content-impurities)/100

The reported uncertainties are determined in accordance with ISO 17034 with a 95% confidence level (k=2). The Uncertainty is based on the combined uncertainties, including uncertainties of characterization and stability testing. The expiry date is based on the current knowledge and holds only for proper storage conditions in 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.

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. A minimum sample of 2 mg is recommended. Deploying less material will increase the uncertainty by a factor 2 for half of sample and 4 for a quarter of sample. The material in the vial can be used multiple times, but it is strongly recommended that all external negative influences to the material are considered and ruled out (e.g. high temperatures, UV-radiation, moisture, oxygen). 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 balances used are calibrated with weights traceable to the national standards (DKD).

The HPC Standards GmbH produces reference materials according to ISO 17034. For further information, check:

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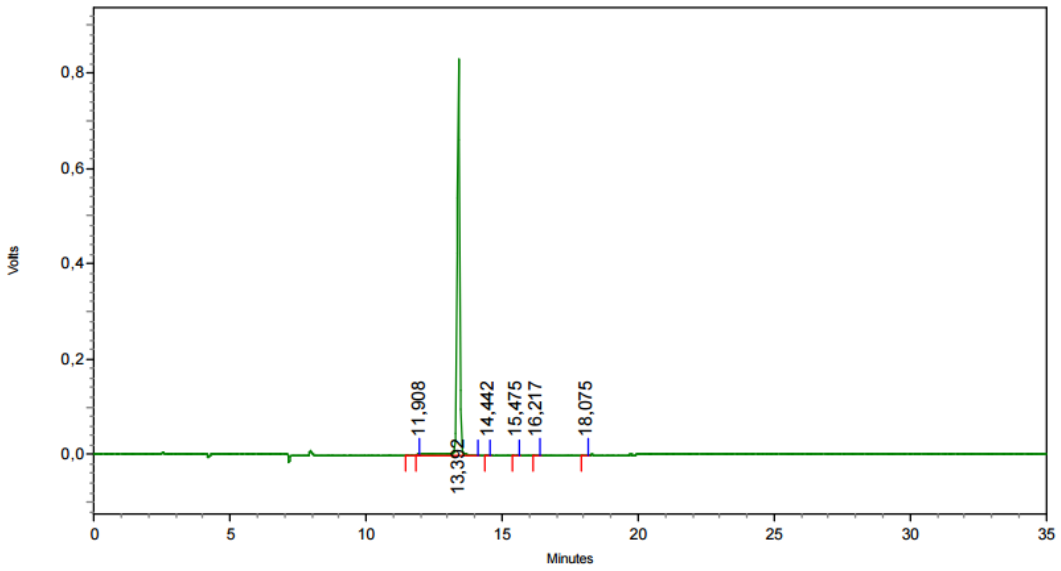
HPLC-Method

Article	675354		
Lot-No.	822172		
Column	L=250mm, ID=4.6mm; Luna-Omega C18, 100A, 5µm		
Eluent A	Acetonitrile		
Eluent B	0.1 % Phosphoric acid (Water)		
Gradient	time	%A	%B
	0min	0	100
	22.5min	90	10
	25min	90	10
Flow	1.0 ml min-1		
Detector	UV-220nm		
Injection-Volume	5 µl		
Sample	0.3 mg ml-1 (Acetonitrile)		



Detector A - 1 (220nm)

Retention Time	Height	Area	Area Percent
11,908	441	1800	0,04
13,392	832429	5107901	99,84
14,442	188	949	0,02
15,475	504	2887	0,06
16,217	258	1449	0,03
18,075	205	1202	0,02
Totals	834025	5116188	100,00

Exemplary chromatogram of given method.

Version	Article	Lot	Reason for Change	Date
1	675354	822172	Initial Version	14 Nov 2023