676890 **Lot: 809113**

Sulfaclozine sodium

1. General Information

Formula	C10H8ClN4NaO2S	Expiry Date	01 Apr 2027
Mol. Weight	**306.70 g/mol**	Store at	20°C (in the dark)
CAS-No.	23307-72-4		

2. Batch Analysis

Identity	confirmed by LC-MS		
Overall Purity	**95.45 % (g/g)**	**Expanded Uncertainty**	**0.58 % (g/g)**
Assay Purity (HPLC)	99.70 % (g/g)	Uncertainty	0.25 % (g/g)
Water	4.26 % (g/g)		

Certified on 22 Mar 2022

Digitally signed by Bolea Petru
Date: 2023.02.15 16:40:42 EET
Reason: MoldSign Signature
Location: Moldova

by Franziska Kreißig

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

The reported uncertainty U is an expanded uncertainty according to EURACHEM / CITAC guide CG4 – Quantifying Uncertainty in Analytical Measurement. 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.

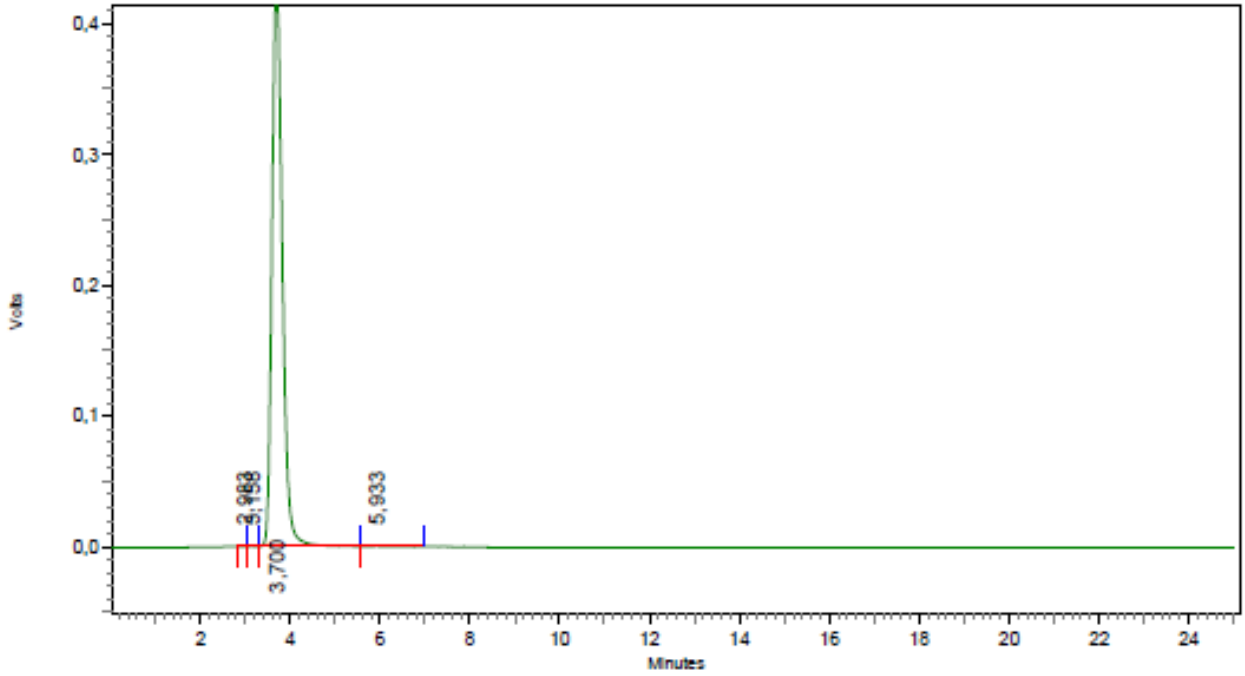
Our standards are for laboratory use only and can be used as reference material for calibration of chromatographic systems or related analytical techniques. For handling instructions see the MSDS. A minimum sample of 2 mg is recommended. Deploying less material will increase the uncertainty by a factor 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, 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	676890
Lot-No.	809113
Column	L=250mm, ID=4.6mm; Reprosil-PUR C18, AQ, 10µm
Eluent	Acetonitrile/0.1% Phosphoric acid (Water) 20/80
Flow	1.5 ml min-1
Detector	UV-220nm
Injection-Volume	20 µl
Sample	0.3 mg ml-1 (Eluent)



Detector A - 1 (220nm)

Retention Time	Height	Area	Area Percent
2,983	250	2230	0,03
3,158	275	3319	0,05
3,700	430896	6929009	99,74
5,933	270	12564	0,18
Totals	431691	6947122	100,00

Exemplary chromatogram of given method.

Version	Article	Lot	Reason for Change	Date
1	676890	809113	Initial Version	22 Mar 2022