

Certificate of Analysis



Product Identification

17669050 Tricaine Methanesulfonate

CA Benzoic acid, 3-amino-, ethyl ester, methanesulfonate (1:1)

IUPAC

Formula C₉H₁₁NO₂.CH₄O₃S

Mol.Weight 261.29

CAS No. 886-86-2

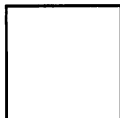
Expiry Date 05.02.2022

Lot Number 168982

Store at 20 °C ±4 °C

Please note: The expiry date is valid under recommended storage conditions only.

Toxicological Data



R Code

S Code

LD50 (Rats female/male in mg/kg)

Physical Data

Phase crystalline solid

Color white

Melt.Range

Boiling Range (lit.)

Analytical Data

Identity: IR, MS, NMR

Comment For method information see chromatogram.

Water Content 0.1 % Determined by Karl-Fischer Titration

Det. Purity 99.9 % Tolerance/Uncertainty +/- 1.0 %

The uncertainty/tolerance of this standard is calculated in accordance with the EURACHEM/CITAC Guide - Quantifying Uncertainty in Analytical Measurement - Second Edition. The uncertainty given is the expanded combined uncertainty and represents an estimated standard deviation equal to the positive square root of the total variance of the uncertainty of components. The expanded uncertainty is U which is $U_c(y) \cdot K$, where K is the coverage factor at the 95% confidence level (K=2). The expanded uncertainty is based on the combination of uncertainties associated with each individual operation involved in the preparation of this product.

Certified on 05.02.2018

by M. Beck

The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances and in form of single and multi-component solutions organic pure substances.

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The warranty for this product is limited to the purchasing price of this product.

Column:
Cortecs UPLC C18 +
1.6 µm, 75 x 2.1 mm

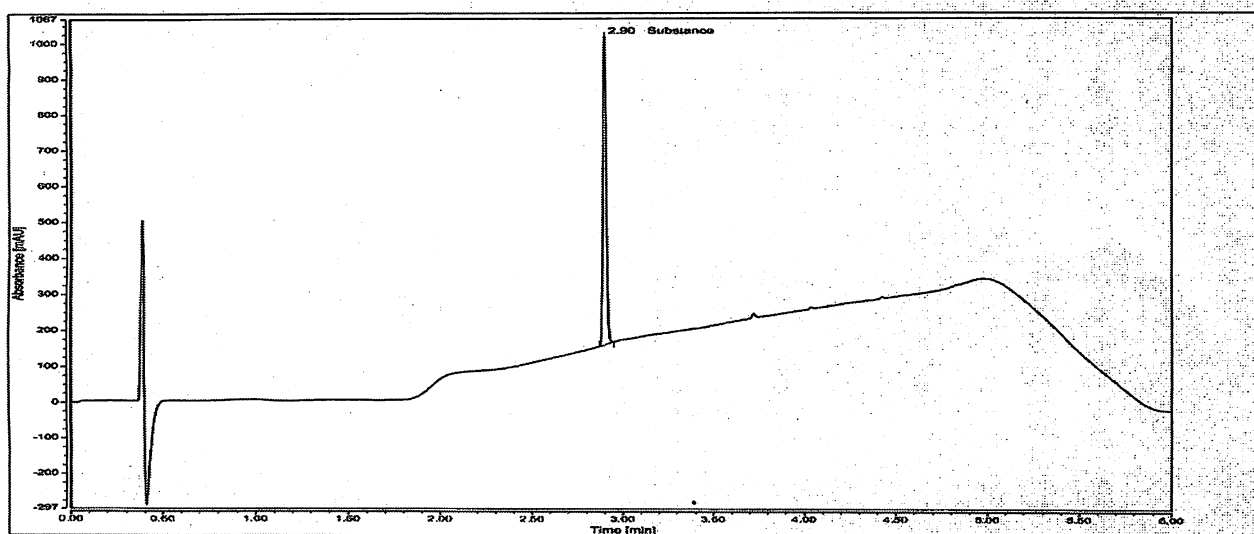
Conditions:
0.50 ml/min, 40 °C
mob. Phase A: Water, 0.1 % HCOOH
mob. Phase B: Acetonitrile, 0.1 % HCOOH

Detector:
DAD
220 nm

Injector:
Auto
2 µl; 0.056 mg/ml in
Acetonitrile/Water 50/50
(v/v)

B₂

0-1 min A/B 98/2
1-4 min A/B to 2/98
4-5 min A/B to 98/2
5-6 min A/B 98/2 (v/v)



Area Percent Report - Sorted by Signal

Pk#	Retention Time	Area	Area %
1	2.896	17.1296	100.00
Totals		17.1296	100.00

A. Bal