

Certificate of Analysis

Dr. Ehrenstorfer



Product Identification

15088200 5-Methyl-2-hexanone

CA

IUPAC 5-Methyl-2-hexanone

Formula C₇H₁₄O

Mol.Weight 114.19

CAS No. 110-12-3

Reference Materials for Residue Analysis

Expiry Date 29.10.2021

Lot Number 50813

Store at 20 °C ±4 °C

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

Toxicological Data



R Code 10-36/37/38

S Code 16-26-36

LD50 (Rats female/male in mg/kg) N/A

Physical Data

Phase liquid

Color colourless

Melt. Range

Boiling Range (lit.)

Analytical Data

Detection: GC/MSD

Column: DB-5, 30 m, ID 0.25 mm

Inj.-Vol.: 1.00 µl

Flow: 1.0 ml/min

Ret.-Time: 7.14 min.

Method Details:

Injector: 100° C

Start Temperature: 40° C for 5 min

End Temperature: 100° C for 6 min

Gradient: 15° C/min

Identity: MS, RT

Comment Purity was confirmed by external standard method.

Water Content 0.3 % Determined by Karl-Fischer Titration

Det. Purity 99.5 % Tolerance/Uncertainty +/- 0.5 %

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 $U(y) \cdot K$, 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 29.10.2015

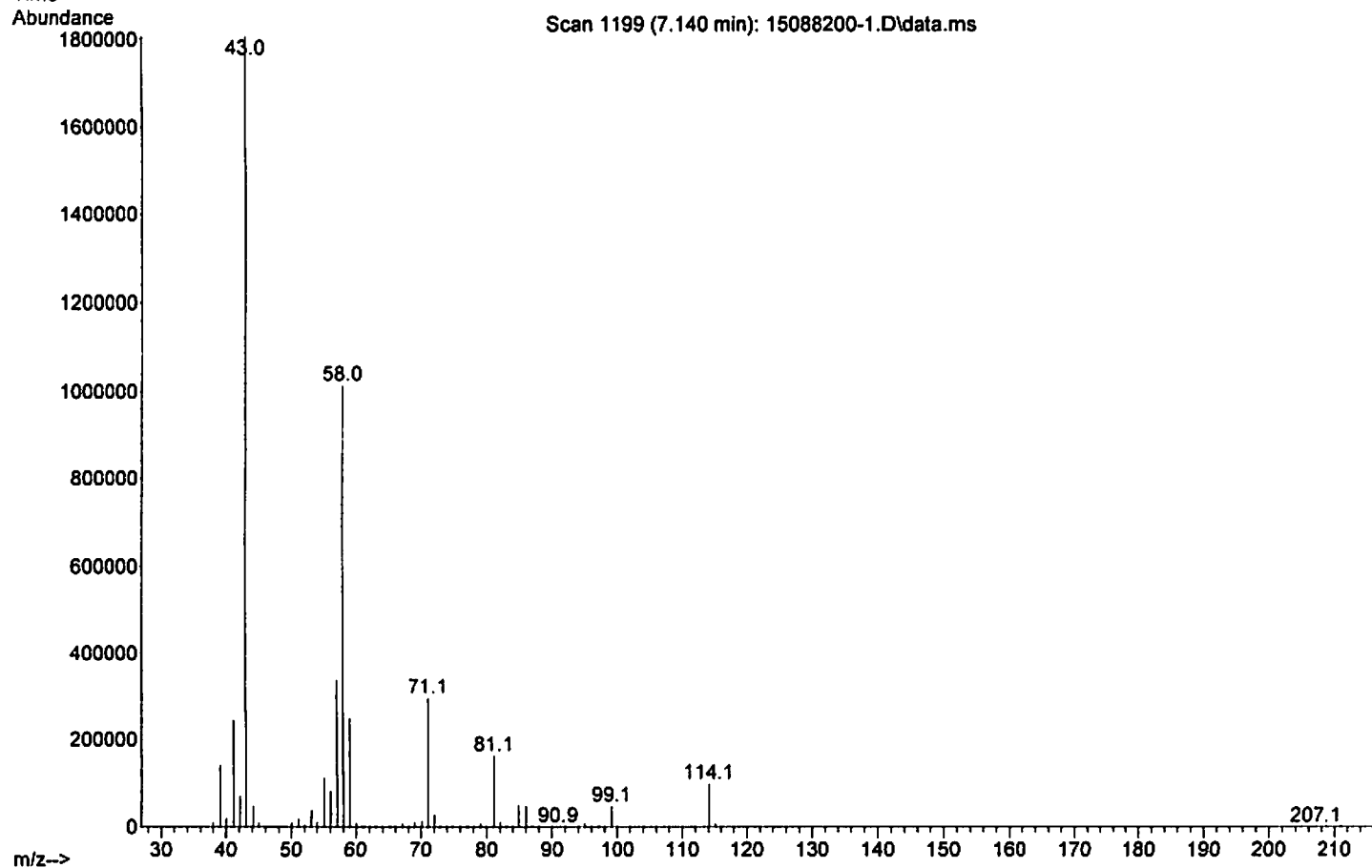
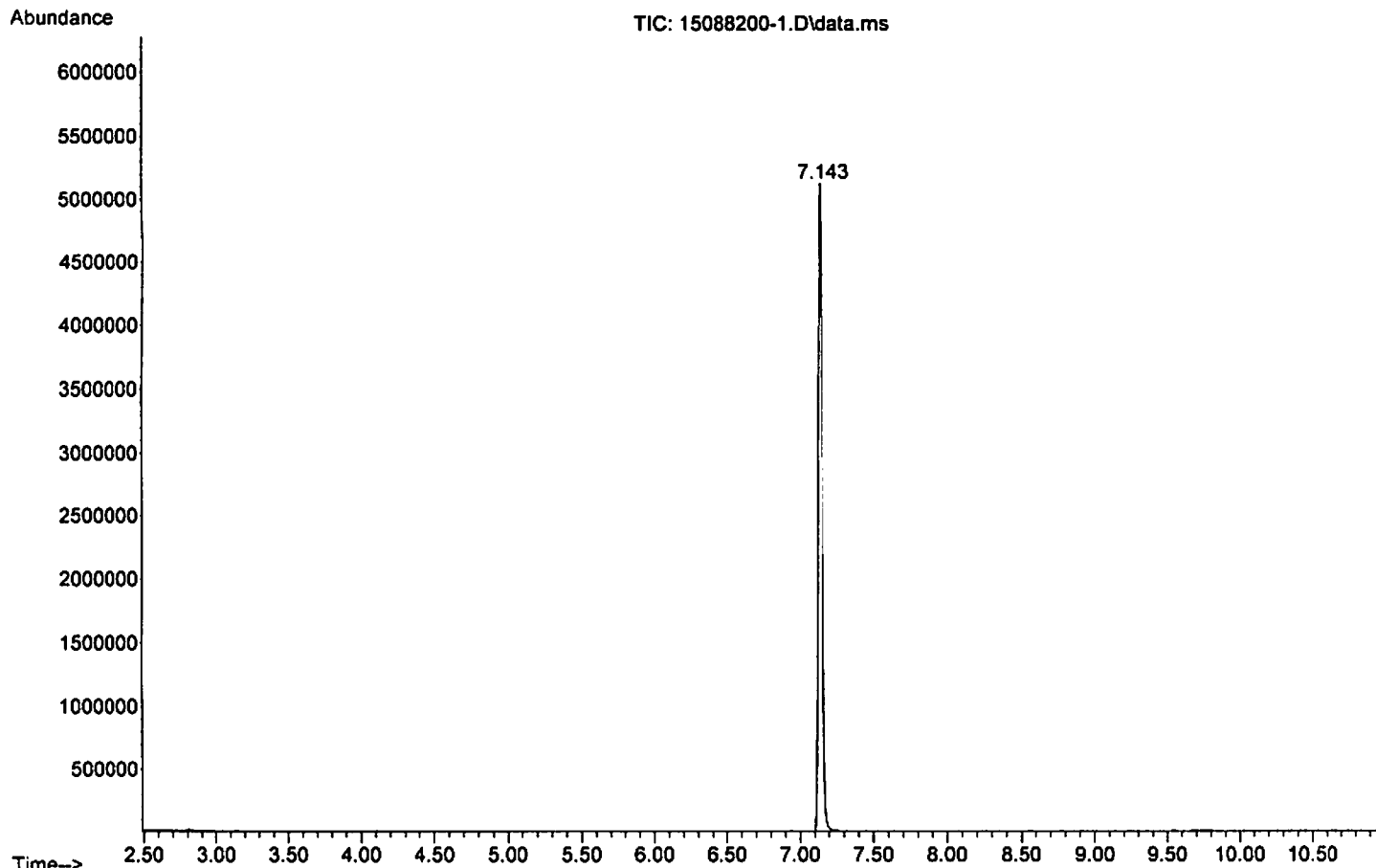
by N. Müller

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.

File :D:\MassHunter\GCMS\1\data\2015\2015KW37\2015KW37-3\15088200-
... 1.D
Operator : KW
Instrument : GC&MS
Acquired : 09 Sep 2015 14:12 using AcqMethod 100.M
Sample Name: 50909AL 50813
Misc Info : 5-Methyl-2-hexanone

10.09.15 WD



Heckel