

# Certificate of Analysis



## Product Identification

15124400 4-Methyl-1-pentene

CA 4-Methyl-1-pentene

IUPAC 4-Methyl-1-pentene

Formula C<sub>6</sub>H<sub>12</sub>

Mol.Weight 84.16

CAS No. 691-37-2

Expiry Date 12.01.2024

Lot Number 163907

Store at 20 °C ±4 °C

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

<b>Toxicological Data</b>  R Code 11-36/37/38 S Code 16-26-36/37/39 LD50 (Rats female/male in mg/kg) N/A	<b>Physical Data</b> Phase liquid Color colourless Melt.Range Boiling Range (lit.)
<b>Analytical Data</b> Detection: GC/FID Column: DB-5, 30 m, ID 0.25 mm Inj.-Vol.: 1.00 µl Flow: 1.0 ml/min Ret.-Time: 3.20 min.	<b>Method Details:</b> Injector: 100° C Start Temperature: 40° C for 5 min End Temperature: 100° C for 2 min Gradient: 15° C/min
Identity: RT, NMR, MS, EA Comment No chromatogram available.	
Water Content 0.0 % Determined by Karl-Fischer Titration Det. Purity 99.8 % Tolerance/Uncertainty +/- 1.0 % <p>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 <math>U_c(y) \cdot K</math>, 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.</p>	

Certified on 12.01.2018

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.