

Certificate of Analysis

Product Name:

1-Hexanol, *PurReagent*, ≥99.0%

Product No.: PSR48140
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 111-27-3
Molecular Formula: C₆H₁₄O
Molecular Weight: 102.17 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless liquid	Colorless liquid
Miscibility	Miscible in Methanol, Ether and Benzene	Complies
Assay (By GC) On anhydrous basis	≥ 99.0 %	99.40 %
Water content (By KF)	NMT 0.5 %	0.02 %
Identification by IR	Conforms to structure	Conforms
Identification by GC (RT comparison)	Complies	Complies
Related Substances by GC		
a) 1-Butanol	NMT 0.05	Not Detected
b) 2-Ethyl-1-butanol	NMT 0.40	0.25 %
c) 1-Octanol	NMT 0.10	Not Detected
d) 3-Octanol	NMT 0.20	0.11 %
e) Any unspecified impurity	NMT 0.20	Complies
1-Hexanoic acid by HPLC (% w/w)	NMT 0.10	Not Detected
Total impurities (Sum of the impurities from related substances + 1-Hexanoic acid content by HPLC)	NMT 1.0	0.32 %
1-Pentanol content by GC (% w/w)	NMT 0.05	0.02 %
1-Heptanol content by GC (% w/w)	NMT 0.10	Not Detected

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at a room temperature and keep the container tightly closed.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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