

Product Specification

Product Name:

1-Octene *PurReagent Plus*, 95.0-101.0%

Product No.: PSR48007
Brand: PureSynth
CAS No.: 111-66-0
Molecular Formula: C₈H₁₆
Molecular Weight: 112.22 g/mol



Test	Specification
Appearance	Clear colorless liquid
Assay (by GC) (% w/w) (on as is basis)	95.0 -102.0 %w/w
Water (by KF) (%w/w) (1.0 g in methanol)	NMT 0.3 %w/w
Identification by IR (NaCl)	Conforms to Structure
Identification by GC	Conforms
Related Substances by GC (% w/w)	Conforms
a) Impurity -A (1-Hexene)	NMT 0.05
b) Impurity -B (1-Heptene)	NMT 0.05
c) Impurity -C (1-Decene)	NMT 0.05
d) Impurity -E (Cis-2-octene)	NMT 0.50
e) Impurity -F (Trans-2-octene)	NMT 0.75
f) Impurity -J (2-Ethyl-1-hexene)	NMT 2.0
Any unspecified impurity	NMT 0.50
Total impurities	NMT 4.0

Specification: PR-1.0-QA/263

Version No.: 1.1, 09.05.2026

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For queries on this Specifications, please contact our technical team at technical@pure-synth.com