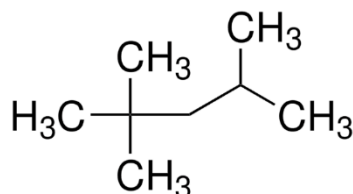


## Product Specification

Product Name:

**Iso octane **PurCert** Secondary Working Standard for GC**  
**[Includes all characterization data]**

Product No.: PSR28316  
Brand: PureSynth  
CAS No.: 540-84-1  
Molecular Formula: C<sub>8</sub>H<sub>18</sub>  
Molecular Weight: 114.23 g/mol



| Test                                 | Specification                   |
|--------------------------------------|---------------------------------|
| Appearance                           | Colorless liquid                |
| Assay (By GC)                        | ≥ 99.0 %                        |
| Water (By KF)                        | NMT 0.500 %                     |
| Potency                              | -                               |
| Density                              | 0.690 - 0.694 g/cm <sup>3</sup> |
| Identification by Mass               | Conforms to molecular mass      |
| Identification by <sup>1</sup> H NMR | Conforms to structure           |
| Identification by IR                 | Conforms to structure           |

**\*Traceable to Internal Reference Standard**

Specification: PC-1.0-QA/191, Ver. No. 1.2, 23.03.2026.

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For queries on this Specifications, please contact our technical team at [technical@pure-synth.com](mailto:technical@pure-synth.com)