



**ChemPure* Brand
Chemicals**

...Pure Quality

Certificate of Analysis

HEPTANES, Reagent Grade

for Organic Synthesis, prep-LC, and General Laboratory Use, ACS standard-grade

CAT.No: CP-E8342
CAS No: 142-82-5
Lot No: 22060011
Mfg. Date: Aug 29, 2022
Retest Date: Aug 25, 2025
Storage: RT

Molecular Formula: $\text{CH}_3(\text{CH}_2)_5\text{CH}_3$
Formula Weight: 100.20
MDL: MFCD00009544
EC No: 205-563-8
Density: 0.683@25C

| TEST | Limits | Actual |
|-----------------------------|-------------------------|----------|
| n-Heptane | > 25.0% | 99.52% |
| Assay GC (Total C7 Isomers) | > 99.0% | 99.93% |
| Color (ALPA) | 10 max | 5 |
| Water (H ₂ O) KF | 0.03% max | 0.005% |
| Boiling Point | 92.0-100.0°C | Pass |
| Specific Gravity @ 15.6C | 0.690-0.720 | 0.695 |
| Identification by IR | Conforms to spectra | Pass |
| Sulfur Compounds | 50 ppm max | <10ppm |
| Thiophene | Passes | Passes |
| Residue after evaporation | < 0.001% | 0.00005% |
| Appearance | Clear, Colorless Liquid | Pass |

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