

**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	n-HEPTANE 99%
<b>Grade</b>	HIGH PURITY
<b>Catalog #</b>	391099HPR
<b>Lot #</b>	C20C12DRM000HP99
<b>Date of Manufacture:</b>	06/26/20
<b>Recommended Retest Date:</b>	Five Years from Date of Manufacture

TEST	Specification	Result
Appearance	Clear, Colorless Liquid	Pass
Assay (as n-Heptane)	99.00% min.	99.57%
Assay (as C <sub>7</sub> Isomers)	99.90% min.	99.98%
Color (APHA)	10 max.	1
Specific Gravity @ 15.56°C	0.680 - 0.695	0.688
Residue after Evaporation	10 ppm max.	0 ppm
Titration Acid	0.0003 meq/g max.	0.0001 meq/g
Sulfur Compounds (as S)	0.005% max.	0.000%
Water	0.05% max	< 0.01%

<p>This lot of n-Heptane complies with all of the abovementioned specifications. Certain test data have been supplied by third parties.</p>
<p>This product is not derived, nor does it come in contact with, any materials derived from bovine or other animal sources.</p>
<p>This product is for further commercial manufacturing, laboratory or research use, and may be used as an excipient or a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.</p>

Approved by: D. Simoncelli, Quality Control Chemist      Date of Approval: 06/26/20

