

**Certificate of Analysis**

**Product:** n-Hexane 95%  
**Grade:** HPLC  
**Part No.'s:** 1916-5  
**CAS No:** 110-54-3

|                   |                                |
|-------------------|--------------------------------|
| <b>Lot:</b>       | <b>M46205</b>                  |
| <b>Mfg. Date:</b> | <b>2022-04-06</b>              |
| <b>Exp. Date:</b> | <b>3 years after Mfg. Date</b> |

Manufactured by Duksan Pure Chemicals

*Meets ACS Specification*  
**Ultraviolet Spectrophotometry**

**Maximum UV Absorbance:**

| Wavelength | Unit | Specification (Max) | Results |
|------------|------|---------------------|---------|
| 195        | nm   | 1.00                | 0.80    |
| 210        | nm   | 0.25                | 0.20    |
| 220        | nm   | 0.075               | 0.06    |
| 254        | nm   | 0.005               | 0.004   |
| UV Cutoff  | nm   | 195                 | <195    |

**LC Gradient Suitability**

| Test                          | Unit                  | Specification | Results      |       |
|-------------------------------|-----------------------|---------------|--------------|-------|
| Assay                         | by GC, n-Hexane       | %             | Min. 95.0    | 98.2% |
|                               | Total C9 Hydrocarbons | %             | Min. 99.8    | 99.9% |
| Color (APHA)                  |                       | Max. 10       | 2            |       |
| Water                         | %                     | Max. 0.01     | 0.001%       |       |
| Residue After Evaporation     | ppm                   | Max. 3        | <1ppm        |       |
| Water Soluble Titratable Acid | mEq/g                 | Max. 0.0003   | 0.0001 mEq/g |       |
| Sulfur Compounds (as S)       | %                     | 0.005%        | <0.005       |       |
| Thiophene                     |                       | To Pass Test  | Pass         |       |

Created By:  
 Fernando Fana  
 Quality Associate