

## Certificate of Analysis

Date of Testing: 2023-04-26 16:20:50

Date of Next Testing: 2027-04-25 16:20:50

Product Name: **4-Heptanol**

CAS Number: 589-55-9

Specifications & Purity: >97.0%(GC)

Lot #: D2321100

SKU # **H156873**

**Analysis: 204206**

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| Purity(GC)                          | 97-100 (%)            | 99.66 %               |
| Refractive index n <sub>20</sub> /D | 1.418-1.421           | 1.42                  |
| Density (20°C)                      | 0.818-0.821           | 0.82                  |
| Proton NMR spectrum                 | Conforms to Structure | Conforms to Structure |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager