

## Certificate of Analysis

Date of Testing: 2024-09-23 15:37:44

Date of Next Testing: 2026-09-23 15:37:44

Product Name: **1-Pentyn-3-ol**

CAS Number: 4187-86-4

Specifications & Purity: >97.0%(GC)

Lot #: E1719049

SKU #: **P138822**

Version: **0**

Analysis #: **402648**

| Parameter                           | Limit Values               | Result                     |
|-------------------------------------|----------------------------|----------------------------|
| Density (20°C)                      | 0.886-0.891                | 0.89                       |
| Refractive index n <sub>20</sub> /D | 1.432-1.435                | 1.43                       |
| Purity(GC)                          | 97-100 (%)                 | 97.05 %                    |
| Appearance (P138822)                | Colorless to Yellow Liquid | Colorless to Yellow Liquid |
| Infrared spectrum                   | Conforms to Structure      | Conforms to Structure      |

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

John Su  
QA & QC Manager