

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-08 10:55:45

Date of Next Testing: 2027-05-07 10:55:45

Product Name:  **$\gamma$ -Heptalactone**

CAS Number: 105-21-5

Specifications & Purity:  $\geq 98\%$

Lot #: G1918080

SKU #: H111340

Version: 0

Analysis #: 218963

Storage Temperature: Room temperature

| Parameter                           | Limit Values                     | Result                           |
|-------------------------------------|----------------------------------|----------------------------------|
| Refractive index n <sub>20</sub> /D | 1.439-1.445                      | 1.44100                          |
| Purity(GC)                          | 98-100 (%)                       | 98.80600 %                       |
| Density (25°C)                      | 0.99-1.01                        | 0.99500                          |
| Appearance (H111340)                | Colorless to light yellow liquid | Colorless to light yellow liquid |
| Infrared spectrum                   | Conforms to Structure            | Conforms to Structure            |



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QA & QC Manager