

# Certificate of Analysis

## Reference Material & Standard

|                    |                                              |                   |                                           |
|--------------------|----------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Sesamol                                      | Catalogue Number: | CCHM700352                                |
| Synonyms:          | N/A                                          | Lot Number:       | 1-F-2EE-1                                 |
| CAS Number:        | 533-31-3                                     | Expiry Date:      | Apr 21, 2028                              |
| Molecular Formula: | C <sub>7</sub> H <sub>6</sub> O <sub>3</sub> | Storage:          | Room Temp Protected from light and Sealed |
| Molecular Weight:  | 138.12                                       |                   |                                           |

Warning:



Chemical Structure: N/A

| Test Items     | Method            | Results                              |
|----------------|-------------------|--------------------------------------|
| Appearance     | Visual inspection | White to Off-White Crystalline Solid |
| Identification | LCMS&HNMR         | Confirmed                            |
| Purity         | HPLC              | 98.3167%                             |
| Loss on Drying | TGA               | 2.1350%                              |
| Assay          |                   | 96.2%                                |
| Uncertainty    |                   | ±2.0%                                |

## Comment:

- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):  

$$\text{Assay (\%)} = (100\% - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.
- The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

*Nice*

Reviewed by:

*Hinlam*

Approved by General Manager:

*David*

Date: Apr 22, 2024

Date: Apr 22, 2024

Date: Apr 22, 2024



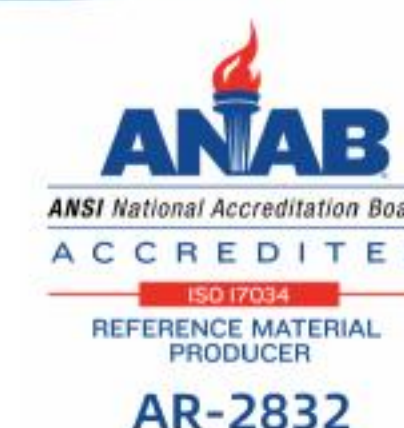
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

Page 1 of 6



Official WeChat