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:	$C_7H_6O_3$	**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:

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity HPLC (%) /100%*
Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.
2. 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: Alice Date: Apr 22, 2024

Reviewed by: Hinlam Date: Apr 22, 2024

Approved by General Manager: David Date: Apr 22, 2024

CATO Research Chemicals Inc.