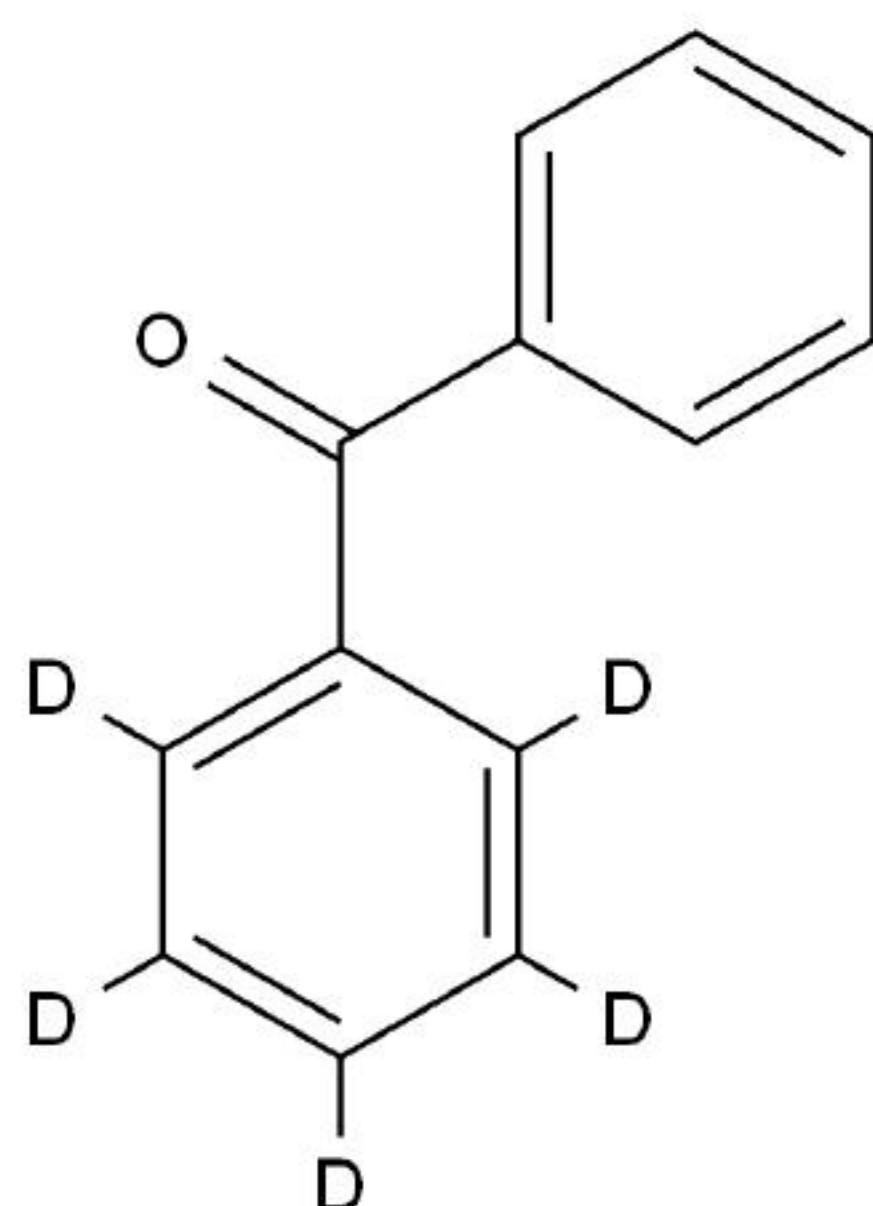


# Certificate of Analysis

## Reference Material & Standard

|                            |                                                 |                          |                                           |
|----------------------------|-------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>       | Benzophenone-2,3,4,5,6-d5                       | <b>Catalogue Number:</b> | CCHM702525                                |
| <b>Synonyms:</b>           | N/A                                             | <b>Lot Number:</b>       | 0307-RE-0001                              |
| <b>CAS Number:</b>         | 2694-78-2                                       | <b>Expiry Date:</b>      | Jun 16, 2024                              |
| <b>Molecular Formula:</b>  | C <sub>13</sub> H <sub>5</sub> D <sub>5</sub> O | <b>Storage:</b>          | Room Temp Protected from light and Sealed |
| <b>Molecular Weight:</b>   | 187.25                                          |                          |                                           |
| <b>Chemical Structure:</b> |                                                 |                          |                                           |



| Test Items      | Method            | Results         |
|-----------------|-------------------|-----------------|
| Appearance      | Visual inspection | Off-White Solid |
| Identification  | LCMS&HNMR         | Confirmed       |
| Chemical Purity | NMR               | 98.0%           |
| Isotopic Purity |                   | 98.1%           |
| Uncertainty     |                   | ±2.0%           |

## Comment:

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: 古雪

Reviewed by:

*Xenia*

Aproved by General Manager:

*David*

Date: Jun 17, 2020

Date: Mar 10, 2023

Date: Mar 10, 2023

