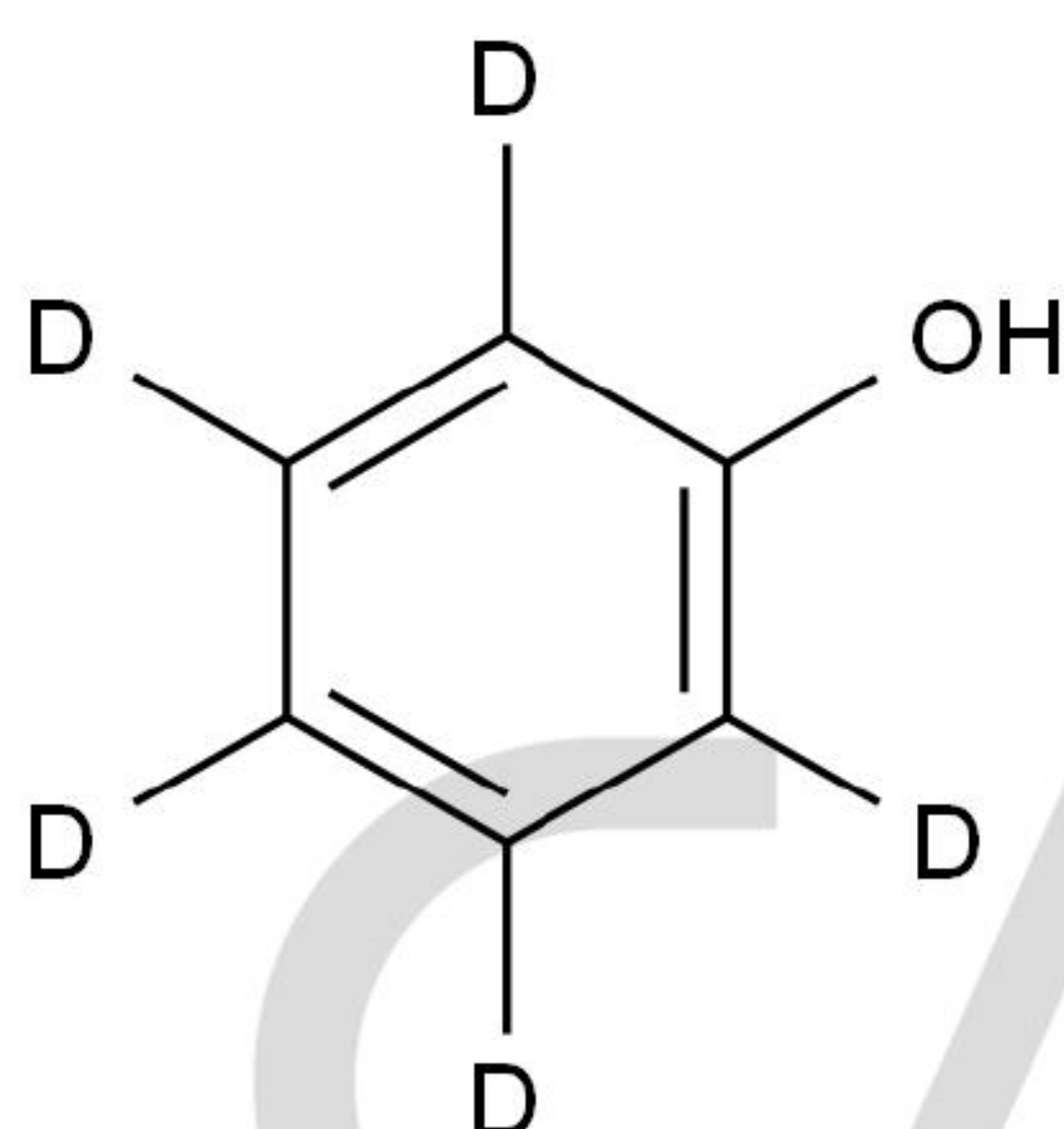


Certificate of Analysis

Reference Material & Standard

Product Name:	Phenol D5 (2,3,4,5,6 D5)	Catalogue Number:	CCHM702280
Synonyms:	N/A	Lot Number:	0615-RE-0029
CAS Number:	4165-62-2	Expiry Date:	Jun 18, 2027
Molecular Formula:	C6HD5O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	99.14		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Crystalline Solid
Identification	GCMS&CNMR&HNMR	Confirmed
Purity	HPLC	100.000%
Water Content	Karl Fischer	2.5378%
Assay		97.5%
Uncertainty		±2.0%

Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity HPLC (\%)} / 100\%$

Water Content 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:

Yuki

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Jun 19, 2023

Date: Jun 19, 2023

Date: Jun 19, 2023

