

Certificate of Analysis

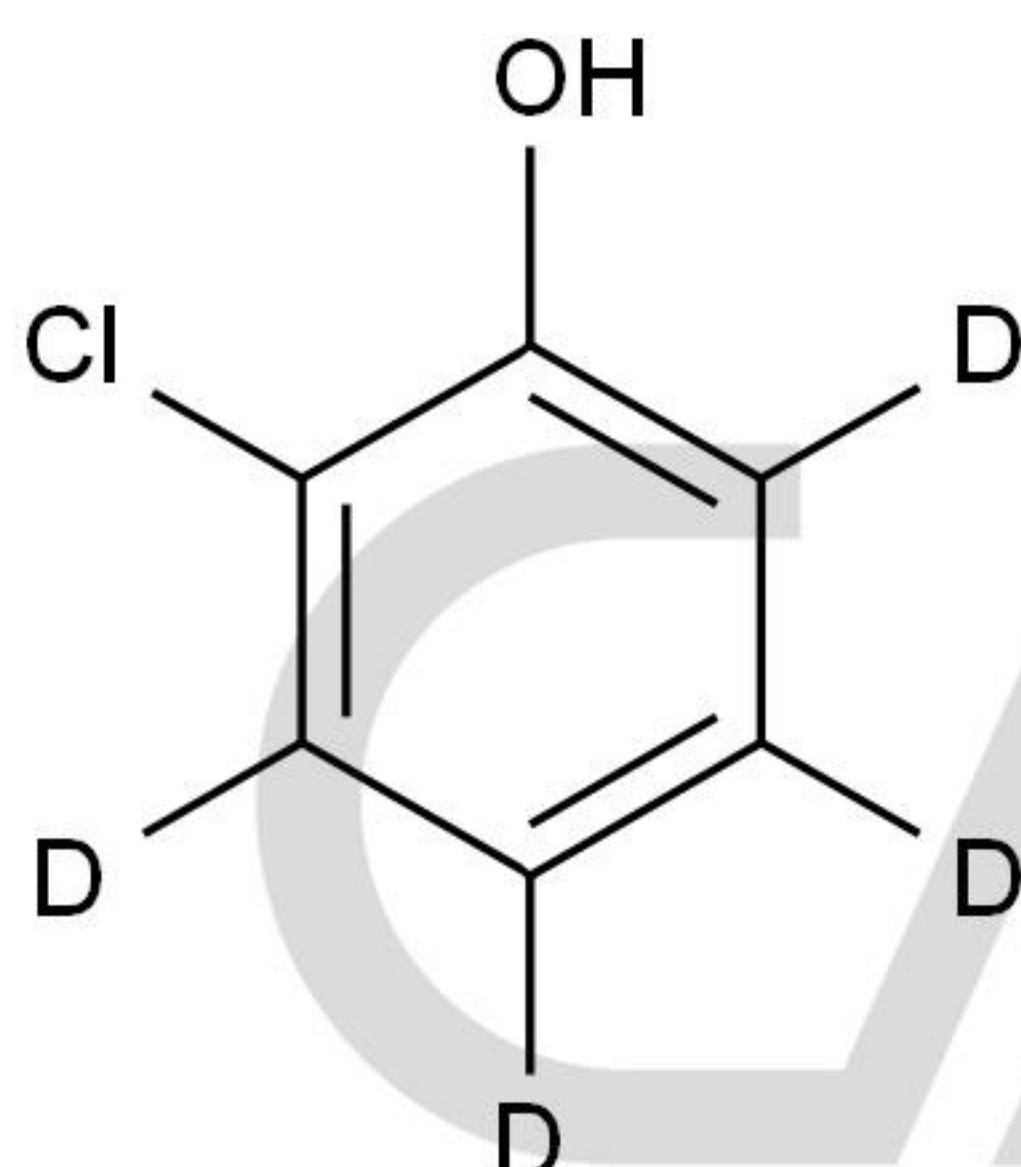
Reference Material & Standard

Product Name:	2-Chlorophenol D4 (3,4,5,6 D4)	Catalogue Number:	CCHM702279
Synonyms:	N/A	Lot Number:	0224-RD-0065
CAS Number:	93951-73-6	Expiry Date:	Jun 26, 2026
Molecular Formula:	C ₆ HD ₄ ClO	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	132.58	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Liquid
Purity	GC	98.93%
Water Content	Karl Fischer	1.9508%
Assay		97.0%
Uncertainty		±2.0%

Comment:

1. No chromatogram available.
2. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity GC (\%)} / 100\%$$
 Water Content is considered as absolute effect, GC purity is considered as relative effect.
3. 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:

Xenia

Reviewed by:

Cady

Approved by General Manager:

David



Date: Jun 26, 2020

Date: Feb 25, 2022

Date: Feb 25, 2022

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