

# Certificate of Analysis

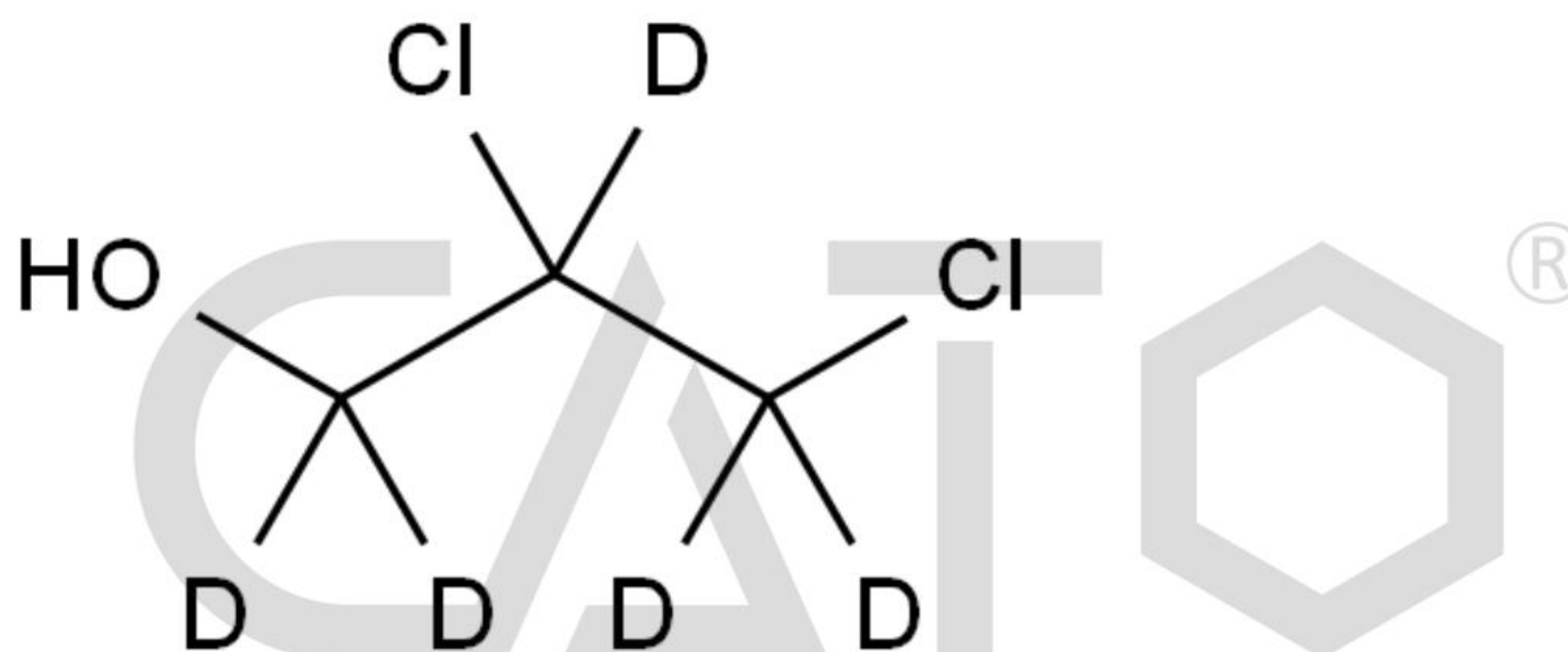
## Reference Material & Standard

|                    |                                                  |                     |                                           |
|--------------------|--------------------------------------------------|---------------------|-------------------------------------------|
| Product Name:      | 2,3-Dichloro-1-propanol-d5                       | Catalogue Number:   | CCPD101697                                |
| Synonyms:          | N/A                                              | Lot Number:         | 0922-RE-0050                              |
| CAS Number:        | 1189730-34-4                                     | Expiry Date:        | May 01, 2028                              |
| Molecular Formula: | C <sub>3</sub> HD <sub>5</sub> Cl <sub>2</sub> O | Storage:            | -20°C±5°C Protected from light and Sealed |
| Molecular Weight:  | 134.02                                           | Shipping Condition: | Shipping with Ice Packs                   |

Warning:



Chemical Structure:



| Test Items      | Method            | Results              |
|-----------------|-------------------|----------------------|
| Appearance      | Visual inspection | Clear Colourless Oil |
| Identification  | GCMS&HNMR         | Confirmed            |
| Chemical Purity | GC                | 97.1%                |
| Isotopic Purity |                   | 98.83%               |
| 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:

Lisa

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: May 29, 2024

Date: May 29, 2024

Date: May 29, 2024



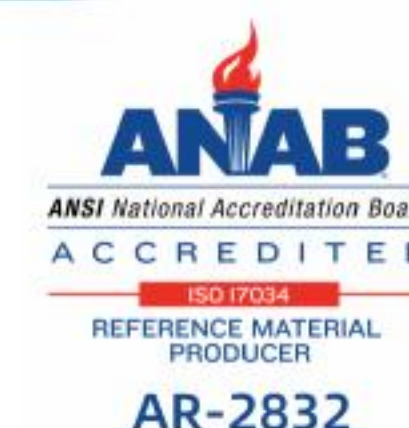
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

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

Page 1 of 5



Official WeChat