

Certificate of Analysis

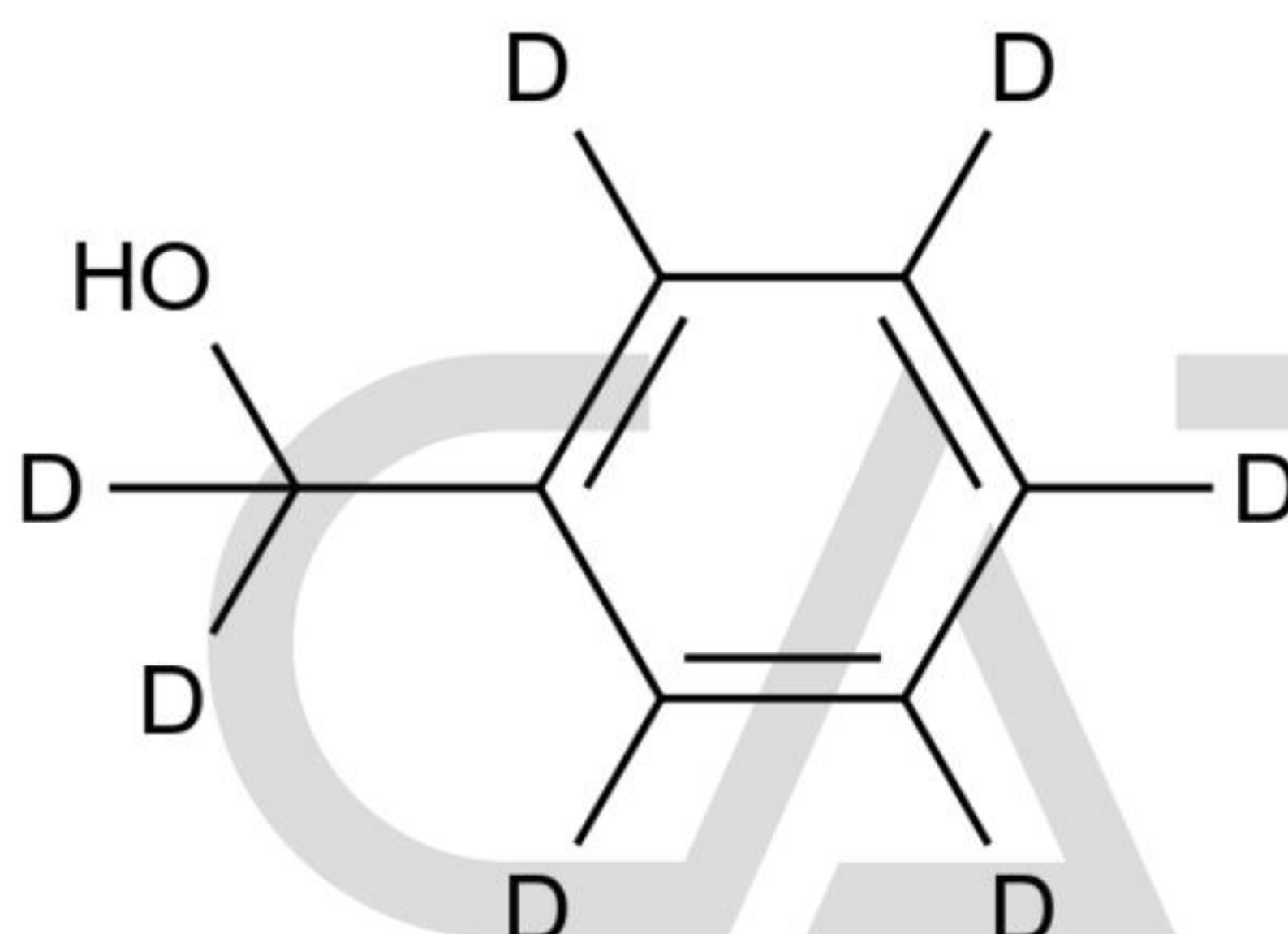
Reference Material & Standard

Product Name:	Benzyl-d7 Alcohol	Catalogue Number:	C1793436
Synonyms:	N/A	Lot Number:	0415-RF-0017
CAS Number:	71258-23-6	Expiry Date:	Apr 18, 2028
Molecular Formula:	C ₇ HD ₇ O	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	115.18	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Chemical Purity	HPLC	99.375%
Isotopic Purity		99.4%
Water Content	Karl Fischer	0.3599%
Assay		99.0%
Uncertainty		±0.2%

Comment:

1. The calculation of the mass balance 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:

Lisa

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Sep 10, 2026

Date: Sep 11, 2026

Date: Sep 11, 2026



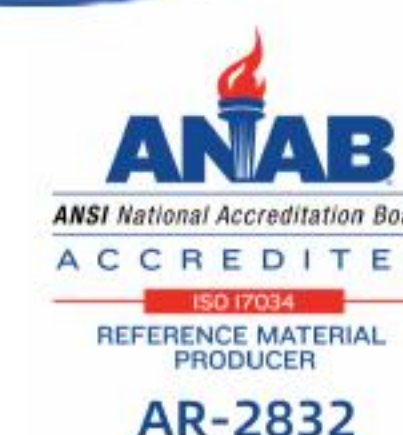
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