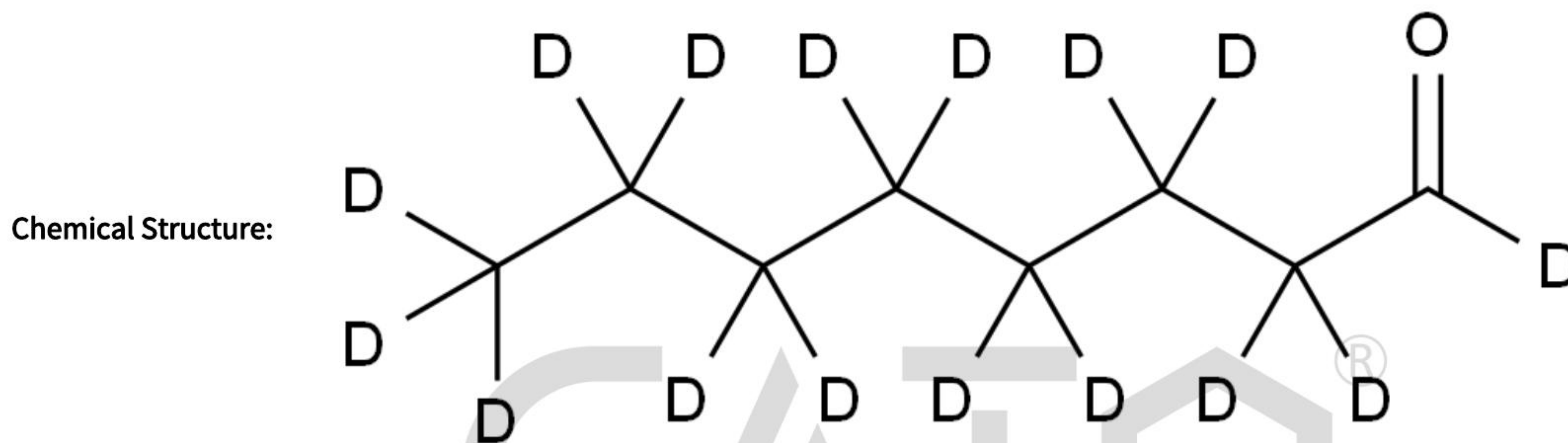


Certificate of Analysis

Reference Material

Product Name:	Octanal-d16	Catalogue Number:	CCHM702357
Chemical Name:	N/A	Lot Number:	0727-RD-0026
CAS Number:	1219794-66-7	Expiry Date:	Oct 09, 2023
Molecular Formula:	C8D16O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	144.31		



Test Items	Method	Results
Appearance	Visual inspection	Clear Colourless Oil
Identification	LCMS&HNMR	Confirmed
Chemical Purity	GC	99.18%
Isotopic Purity		96.3%
Water Content	Elemental Analysis	4.7%
Assay		94.5%
Uncertainty		±2.0%

Comment:

1. No chromatogram available.
2. The calculation of the 100% method follows the formula:

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

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

Aporoved by General manager:

David

Date: Oct 07, 2021

Date: Aug 01, 2022

Date: Aug 01, 2022

