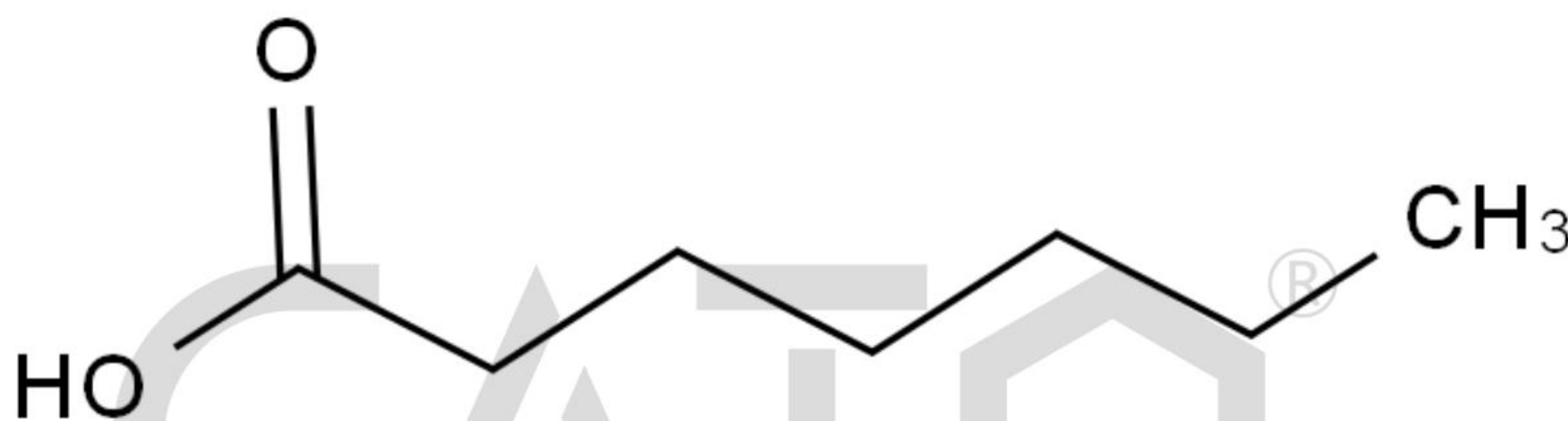


Certificate of Analysis

Reference Material & Standard

Product Name:	Heptanoic Acid	Catalogue Number:	CCFD200148
Synonyms:	N/A	Lot Number:	0914-RE-0061
CAS Number:	111-14-8	Expiry Date:	Sep 18, 2027
Molecular Formula:	C ₇ H ₁₄ O ₂	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	130.18	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	96.9%
Assay	qNMR	96.9%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
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:

Nice

Reviewed by:

Lisa

Aproved by General Manager:

David

Date: Sep 19, 2023

Date: Sep 19, 2023

Date: Sep 19, 2023

