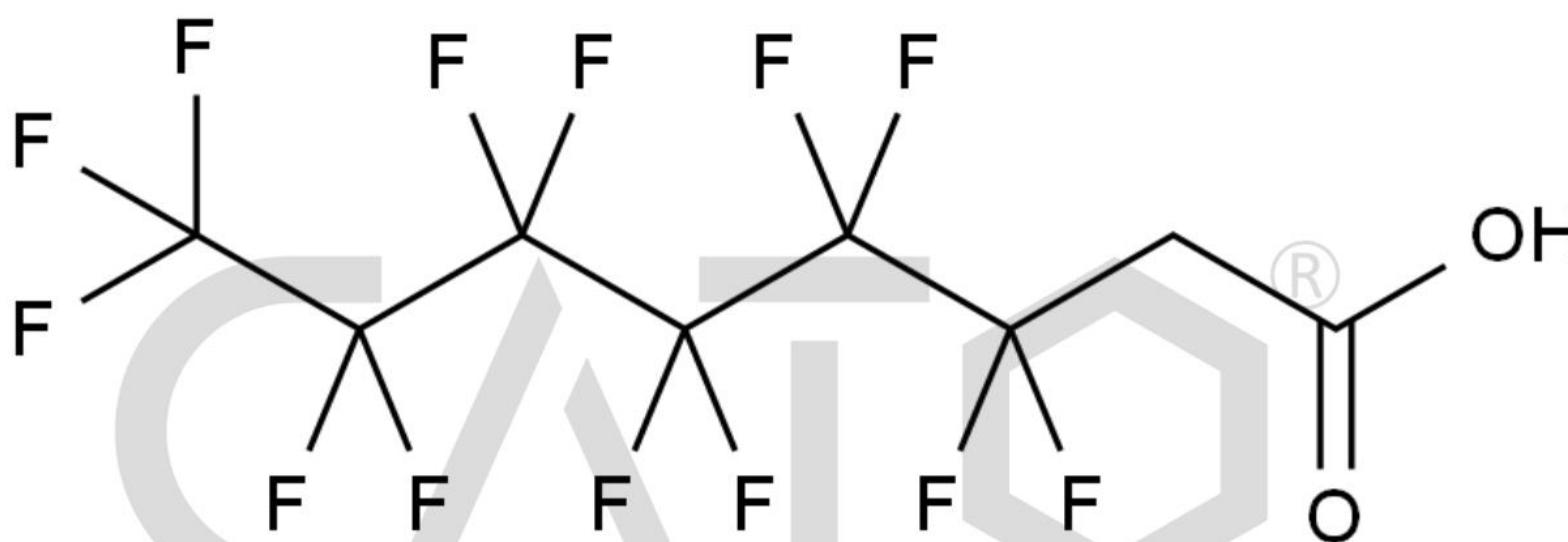


Certificate of Analysis

Reference Material & Standard

Product Name:	2H,2H-Perfluorooctanoic acid	Catalogue Number:	CCHM702241
Synonyms:	N/A	Lot Number:	1114-RG-0108
CAS Number:	53826-12-3	Expiry Date:	Nov 17, 2029
Molecular Formula:	C ₈ H ₃ F ₁₃ O ₂	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	378.09	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	GCMS&FNMR	Confirmed
Purity	GC	100.000%
Water Content	Karl Fischer	0.3225%
Assay		99.7%
Uncertainty		±0.2%

Comment:

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

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

Water Content is considered as absolute effect, GC 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:

Yuki

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Nov 18, 2025

Date: Nov 19, 2025

Date: Nov 19, 2025

