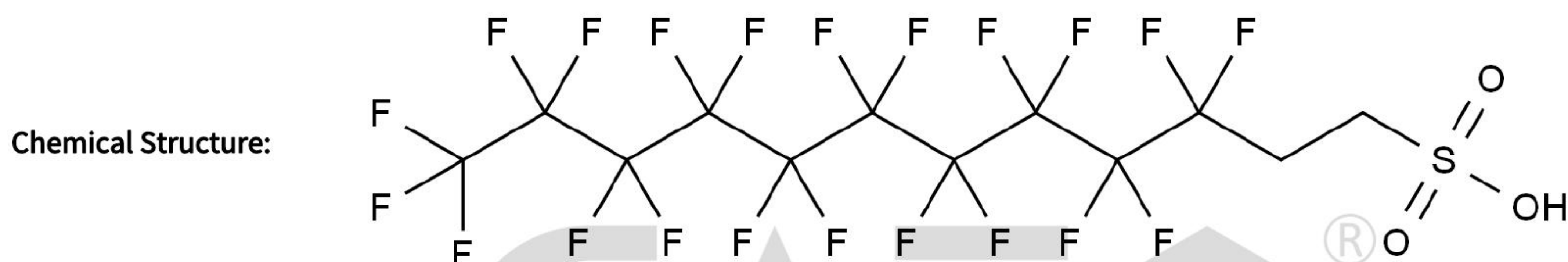


Certificate of Analysis

Reference Material & Standard

Product Name:	1H,1H,2H,2H-Perfluorododecane sulfonic acid	Catalogue Number:	CCHM705630
Synonyms:	N/A	Lot Number:	0616-RG-0090
CAS Number:	120226-60-0	Expiry Date:	Nov 18, 2027
Molecular Formula:	C ₁₂ H ₅ F ₂₁ O ₃ S	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	628.20		



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Purity	HPLC	97.8%
Assay	qNMR	90.3%
Uncertainty		±5.0%

Comment:

1. No chromatogram available.
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:

Lisa

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Jun 18, 2025

Date: Jun 18, 2025

Date: Jun 18, 2025

