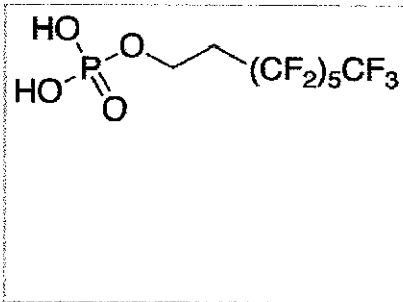


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CERTIFICATE OF ANALYSIS

1. Identification

Catalogue Number:	M566800	CAS Number:	57678-01-0
Product:	Mono[2-(perfluorohexyl)ethyl] phosphate	Synonym:	6:2 monoPAP; 3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluoro-1-(dihydrogen phosphate)-1-octanol
Structure:		Molecular Formula:	C ₈ H ₆ F ₁₃ O ₄ P
		Molecular weight:	444.08
		Source of Product:	Synthetic
		Solubility:	Methanol (Slightly)
Lot Number:	7-ZCA-66-3	Purity:	96%
Shipping Condition:	This Product Is Stable To Be Shipped At Room Temperature	Storage Condition:	-20°C Freezer

2. Warning

Warning 1:	Warning 2:	Warning 3:
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3. Analytical Information

Tests:	Specifications:	Results:
NMR	Conforms to structure	Conforms
MS	Conforms to Structure	Conforms
Melting Point	Report Results	90 - 100°C
Water Content	Report Result	Refer: Additional Information
Elemental Analysis	Conforms	Refer: Additional Information
Appearance		Off-White Solid

Additional Information:

¹H NMR, ¹⁹F NMR, ³¹P NMR, and MS conform to structure. Elemental Analysis: (Found) %C: 20.66, %H: 1.77; (Calculated) %C: 21.64, %H: 1.36 Water Content: 3.8% based on Elemental Analysis

Purity is based on the analytical results of the tests performed. NMR and TLC may have an accuracy +-2%. Isotopic purity is based on mass distribution observed.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Philip Chan			7/17/2017	7/15/2021