

Certificate of Analysis

Reference Material

Product Name:	13C Labeled PCB Mix 7	Catalogue Number:	MCEM591001-NO
Appearance:	Colourless Liquid	Lot Number:	0518-RD-0005
Solvent:	Nonane	Storage:	2°C ~ 8°C Protected from light and Sealed
Expiry Date:	Nov 09, 2028		
Chemical Structure:	Warning:		
N/A			

NO.	Component	CAS No.	Certified Concentration Value (µg/mL)	Uncertainty (%)
1	2,3',4,4',5-Pentachloro[13C12]biphenyl	104130-40-7	5.00	5
2	2,2',4,4',5,5'-Hexachloro[13C12]biphenyl	185376-58-3	5.00	5
3	PCB 101-13C12	104130-39-4	5.00	5
4	PCB 138-13C12	208263-66-5	5.00	5
5	2,2',5,5'-Tetrachloro[13C12]biphenyl	208263-80-3	5.00	5
6	2,2',3,4,4',5,5'-Heptachloro[13C12]biphenyl	160901-82-6	5.00	5
7	2,4,4'-Trichloro[13C12]biphenyl	208263-76-7	5.00	5

Comment:

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: Nov 09, 2021

Date: May 19, 2022

Date: May 19, 2022

