

Certificate of Analysis

Reference Material & Standard

Product Name:	PBDES-Mix 10	Catalogue Number:	LCEM100015-TO
Appearance:	Colourless Liquid	Lot Number:	0705-RH-0089
Solvent:	Toluene	Storage:	2°C ~ 8°C Protected from light and Sealed
Expiry Date:	Nov 16, 2028		

Shipping Condition: Shipping at Room Temperature

Chemical Structure:

N/A

NO.	Component	CAS No.	Certified Concentration Value (µg/mL)	Uncertainty (µg/mL)
1	3,4'-Dibromodiphenyl ether	83694-71-7	100	3
2	PBDE 209	1163-19-5	100	3
3	2,4,4'-Tribromodiphenyl Ether	41318-75-6	100	3
4	1-Bromo-3-Phenoxybenzene	6876-00-2	100	3
5	2,2',3,3',4,4',5,5',6-Nonabromodiphenyl Ether	63387-28-0	100	3
6	2,3',4,4'-Tetrabromodiphenyl Ether	189084-61-5	100	3
7	2,3,3',4,4',5,6-Heptabromodiphenyl Ether	189084-68-2	100	3
8	2,3,3',4,4',5,5',6-OCTABROMODIPHENYL ETHER	446255-56-7	100	3
9	2,2',3,4',4-Pentabde	182346-21-0	100	3
10	2,2',3,4,4',5'-Hexabromodiphenyl Ether	182677-30-1	100	3

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:

Lisa

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Jul 06, 2026

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