# Certificate of Analysis

## Reference Material & Standard

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|---|---|---|---|
| **Product Name:** | PCB Mix 7 | **Catalogue Number:** | MCEM591114 |
| **Appearance:** | Colourless Liquid | **Lot Number:** | 0722-RG-0028 |
| **Solvent:** | Isooctane | **Storage:** | -20°C±5°C Protected from light and Sealed |
| **Expiry Date:** | Sep 12, 2030 | | |

**Chemical Structure:**

N/A

| NO. | Component | CAS No. | Certified Concentration Value (μg/mL) | Uncertainty (μg/mL) |
|---|---|---|---|---|
| 1 | Pcb No. 28 | 7012-37-5 | 1000.2 | 30 |
| 2 | Pcb No. 101 | 37680-73-2 | 1001.5 | 31 |
| 3 | Pcb No. 52 | 35693-99-3 | 1001.3 | 31 |
| 4 | Pcb No. 118 | 31508-00-6 | 1000.1 | 30 |
| 5 | Pcb No. 138 | 35065-28-2 | 1001.2 | 31 |
| 6 | Pcb No. 180 | 35065-29-3 | 1000.1 | 31 |
| 7 | Pcb No. 153 | 35065-27-1 | 999.4 | 30 |

## 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.*

CATO Research Chemicals Inc.

**Signature:**

Prepared by: Lily Date: Jul 23, 2025

Reviewed by: Lisa Date: Jul 23, 2025

Approved by General Manager: David Date: Jul 23, 2025

CATO Research Chemicals Inc.