

# Certificate of Analysis

## Reference Material & Standard

|                            |                                                                         |                          |                                           |
|----------------------------|-------------------------------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>       | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | <b>Catalogue Number:</b> | LP AE111907                               |
| <b>Appearance:</b>         | Colourless Liquid                                                       | <b>Lot Number:</b>       | 0314-RG-0011                              |
| <b>Solvent:</b>            | n-Hexane                                                                | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Expiry Date:</b>        | Aug 02, 2027                                                            |                          |                                           |
| <b>Chemical Structure:</b> | N/A                                                                     |                          |                                           |

| NO. | Component                                                               | CAS No.    | Certified Concentration Value (µg/mL) | Uncertainty (%) |
|-----|-------------------------------------------------------------------------|------------|---------------------------------------|-----------------|
| 1   | 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 68515-42-4 | 1000.5                                | 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.

**CATO**  
CATO Research Chemicals Inc.

## Signature:

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Date: Mar 19, 2025

Date: Mar 19, 2025

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