CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

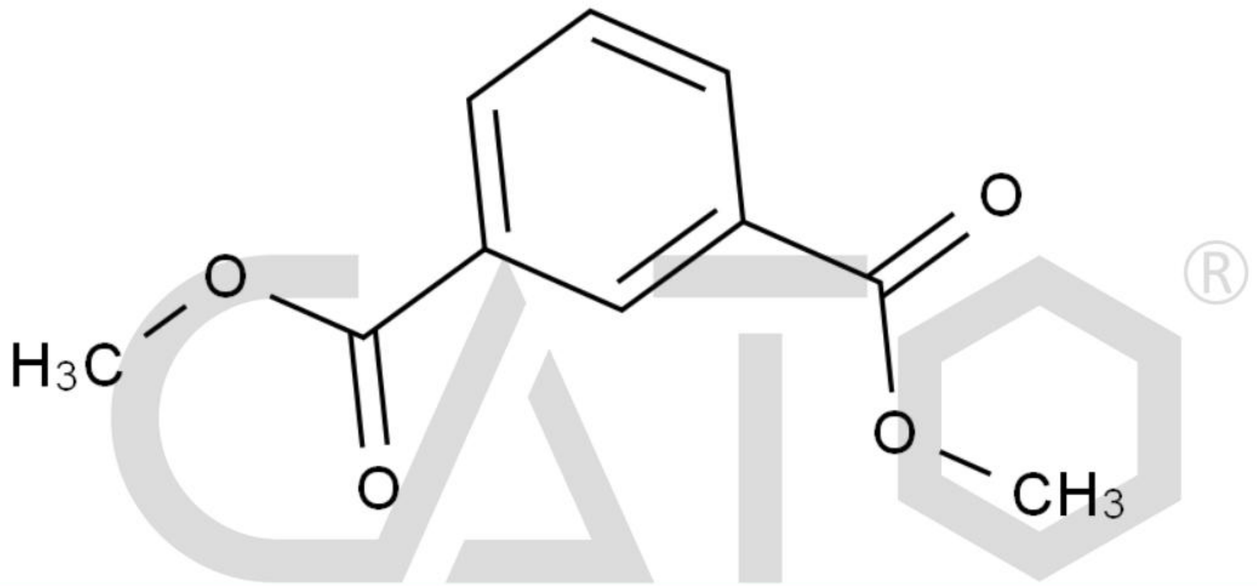
No.: 202312180028

Certificate of Analysis

Reference Material & Standard

Product Name:	Isophthalic Acid, Bis-Methyl Ester	**Catalogue Number:**	CCPD101339
Synonyms:	N/A	**Lot Number:**	1221-RE-0065
CAS Number:	1459-93-4	**Expiry Date:**	Dec 19, 2027
Molecular Formula:	C10H10O4	**Storage:**	Room Temp Protected from light and Sealed
Molecular Weight:	194.18	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	2.8822%
Assay		97.1%
Uncertainty		±2.0%

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Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss On Drying) * Purity HPLC (%) /100%*
Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.
2. 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: Alice Date: Dec 20, 2023

Reviewed by: Lisa Date: Dec 21, 2023

Aporoved by General Manager: David Date: Dec 21, 2023

CATO Research Chemicals Inc.

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