

Certificate of Analysis

Reference Material & Standard

Product Name:	Phthalate MIX 16	Catalogue Number:	MPAE111843-HE
Appearance:	Colourless Liquid	Lot Number:	0403-RH-0082
Solvent:	Hexane	Storage:	-20°C±5°C Protected from light and Sealed
Expiry Date:	Oct 28, 2035	Shipping Condition:	Shipping with Ice Packs
Chemical Structure:	N/A		

NO.	Component	CAS No.	Certified Concentration Value (µg/mL)	Uncertainty (%)
1	Phthalic Acid, Bis-Butyl Ester	84-74-2	1000	2
2	Diamyl Phthalate	131-18-0	1000	2
3	Bis(4-Methyl-2-Pentyl)Phthalate	84-63-9	1000	2
4	Diethyl Phthalate	84-75-3	1000	2
5	Dimethyl phthalate	131-11-3	1000	2
6	Benzyl butyl phthalate	85-68-7	1000	2
7	Bis(2-ethoxyethyl) Phthalate	605-54-9	1000	2
8	Bis(2-ethylhexyl) phthalate	117-81-7	1000	2
9	Diethyl phthalate	84-66-2	1000	2
10	Bis(2-methoxyethyl) Phthalate	117-82-8	1000	2
11	Dicyclohexyl Phthalate	84-61-7	1000	2
12	Phthalic Acid, Bis-Iso-Butyl Ester	84-69-5	1000	2
13	Phthalic Acid Bis(2-butoxyethyl) Ester	117-83-9	1000	2
14	Di-N-Octyl Phthalate	117-84-0	1000	2
15	Diphenyl phthalate	84-62-8	1000	2
16	Dinonyl Phthalate(Mixtures of isomers)	84-76-4	1000	2

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:

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Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Apr 09, 2026

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