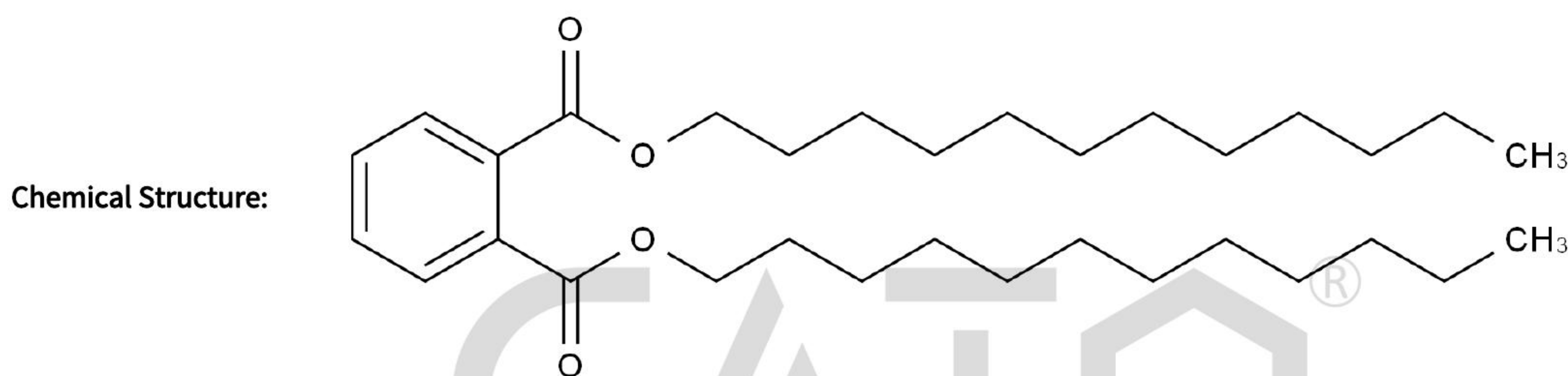


Certificate of Analysis

Reference Material & Standard

Product Name:	Didodecyl Phthalate	Catalogue Number:	CPAE111819
Synonyms:	N/A	Lot Number:	0204-RF-0048
CAS Number:	2432-90-8	Expiry Date:	Feb 03, 2028
Molecular Formula:	C32H54O4	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	502.77		



Test Items	Method	Results
Appearance	Visual inspection	Colourless to Off-White Oil to Low-Melting Solid
Identification	GCMS&HNMR	Confirmed
Purity	GC	99.302%
Loss On Drying	TGA	0.0155%
Assay		99.3%
Uncertainty		±2.0%

Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity GC (\%)} / 100\%$$

Loss On Drying is considered as absolute effect, GC 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:

Lisa

Reviewed by:

Hinlam

Aproved by General Manager:

David

Date: Feb 28, 2024

Date: Feb 28, 2024

Date: Feb 28, 2024

