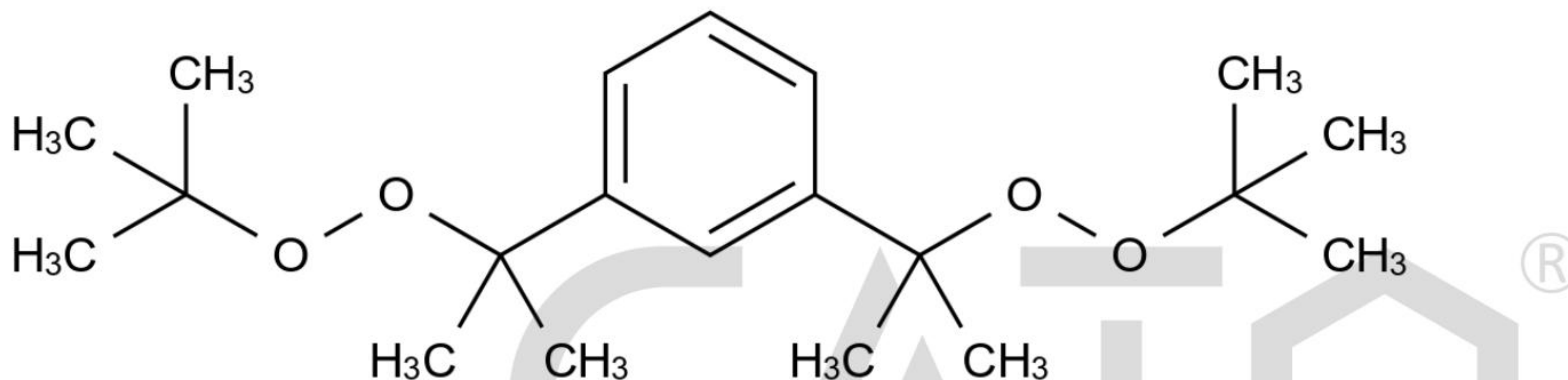


Certificate of Analysis

Reference Material & Standard

Product Name:	1,3-Di(Tert-Butylperoxyisopropyl)Benzene	Catalogue Number:	CCHM700690
Synonyms:	N/A	Lot Number:	0320-RE-0062
CAS Number:	2212-81-9	Expiry Date:	Mar 19, 2027
Molecular Formula:	C20H34O4	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	338.48	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.133%
Loss On Drying	TGA	1.0968%
Assay		94.1%
Uncertainty		±2.0%

Comment:

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

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

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:

Lisa

Reviewed by:

Xenia

Aproved by General Manager:

David

Date: Mar 20, 2023

Date: Mar 21, 2023

Date: Mar 21, 2023

