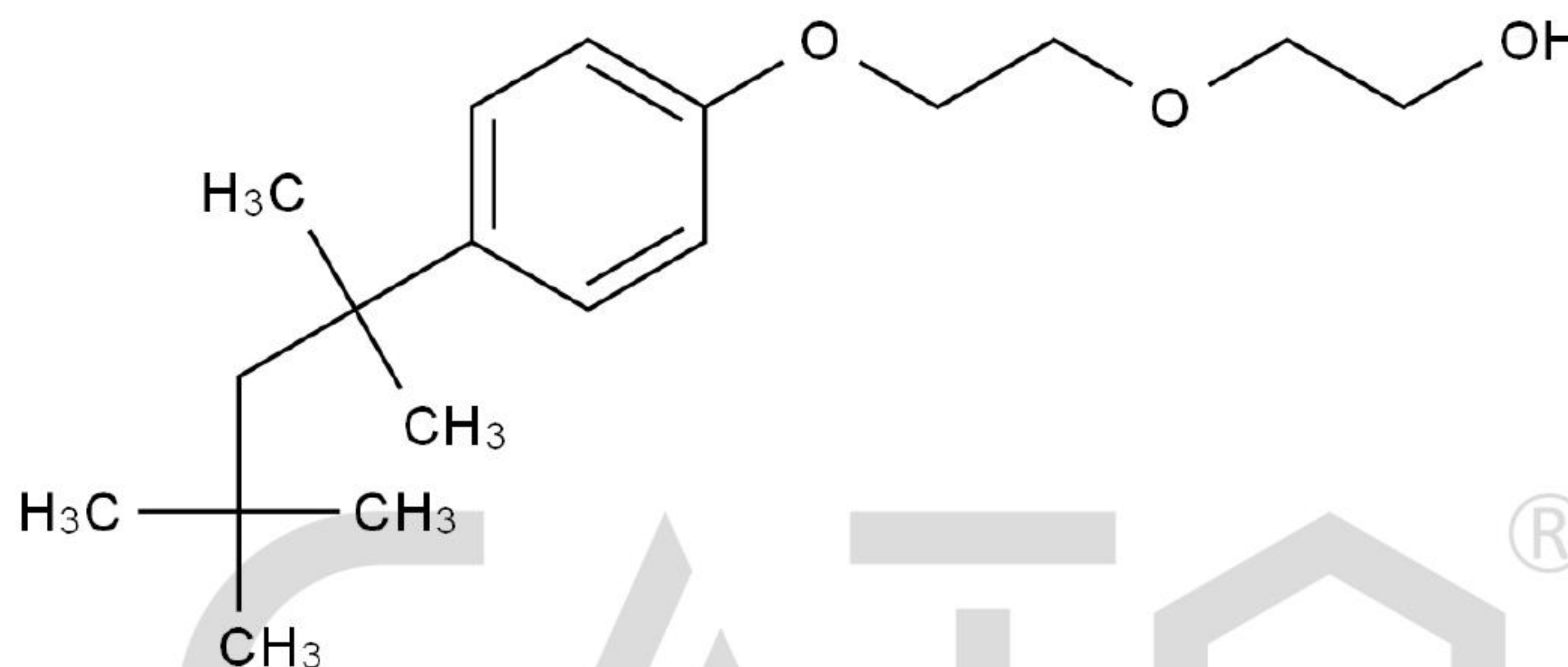


Certificate of Analysis

Reference Material

Product Name:	4-iso-Octylphenol-di-ethoxylate	Catalogue Number:	CCHM702164
Chemical Name:	N/A	Lot Number:	0103-RE-0078
CAS Number:	2315-61-9	Expiry Date:	Jan 10, 2029
Molecular Formula:	C18H30O3	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	294.43		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	HPLC	95.019%
Loss On Drying	TGA	0.4890%
Assay		94.6%
Uncertainty		±2.0%

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:

Debia

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Jan 11, 2023

Date: Jan 11, 2023

Date: Jan 11, 2023

