

Certificate of Analysis

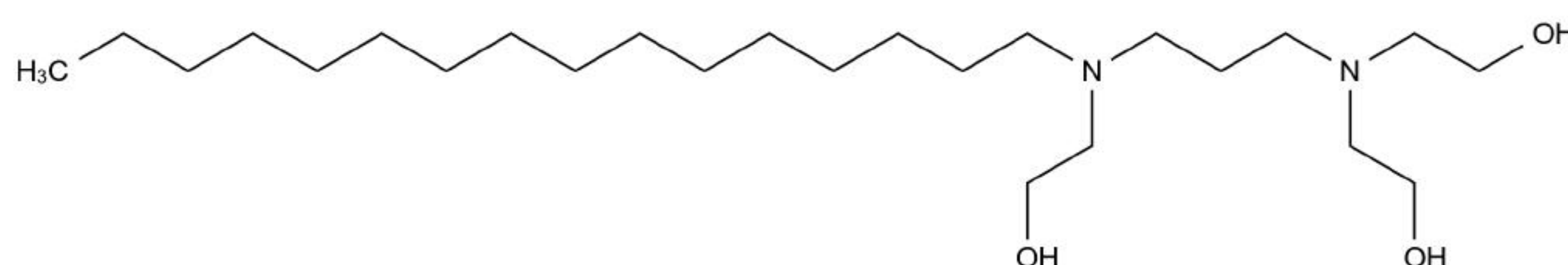
Reference Material & Standard

Product Name:	2,2'-((3-(hexadecyl(2-hydroxyethyl)amino)propyl)azanediyl)bis(ethan-1-ol)	Catalogue Number:	C1932085
Synonyms:	N/A	Lot Number:	0305-RG-0098
CAS Number:	772280-75-8	Expiry Date:	Apr 10, 2028
Molecular Formula:	C ₂₅ H ₅₄ N ₂ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	430.71	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	96.101%
Residue on Ignition	TGA	0.1615%
Loss on Drying	TGA	0.7816%
Assay		95.2%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Residue on Ignition - Loss on Drying) * Purity ELSD (%) / 100%

Residue on Ignition and Loss on Drying are considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Apr 11, 2025

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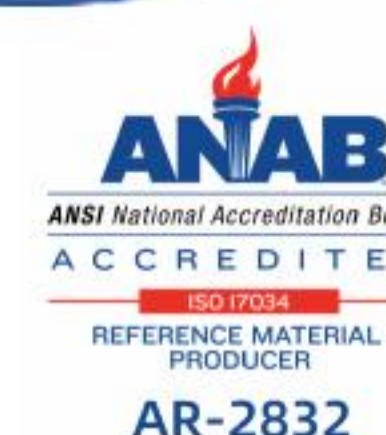
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