

Certificate of Analysis

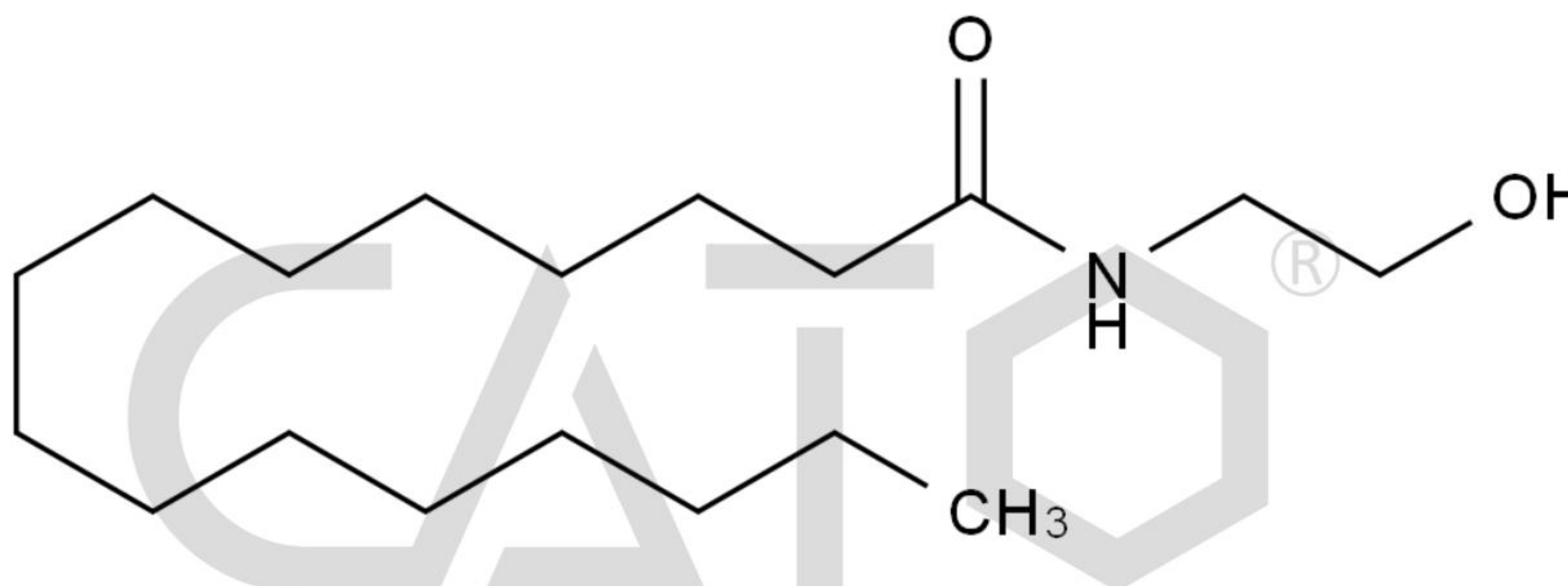
Reference Material & Standard

Product Name:	Palmitoylethanolamide	Catalogue Number:	CCHM704436
Synonyms:	N/A	Lot Number:	0126-RH-0138
CAS Number:	544-31-0	Expiry Date:	Jan 25, 2030
Molecular Formula:	C ₁₈ H ₃₇ NO ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	299.49	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.602%
Loss on Drying	TGA	0.0341%
Assay		99.6%
Uncertainty		±0.2%

Comment:

- The calculation of the mass balance 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.
- 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:

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Reviewed by:

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Approved by General Manager:

David

Date: Jan 26, 2026

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