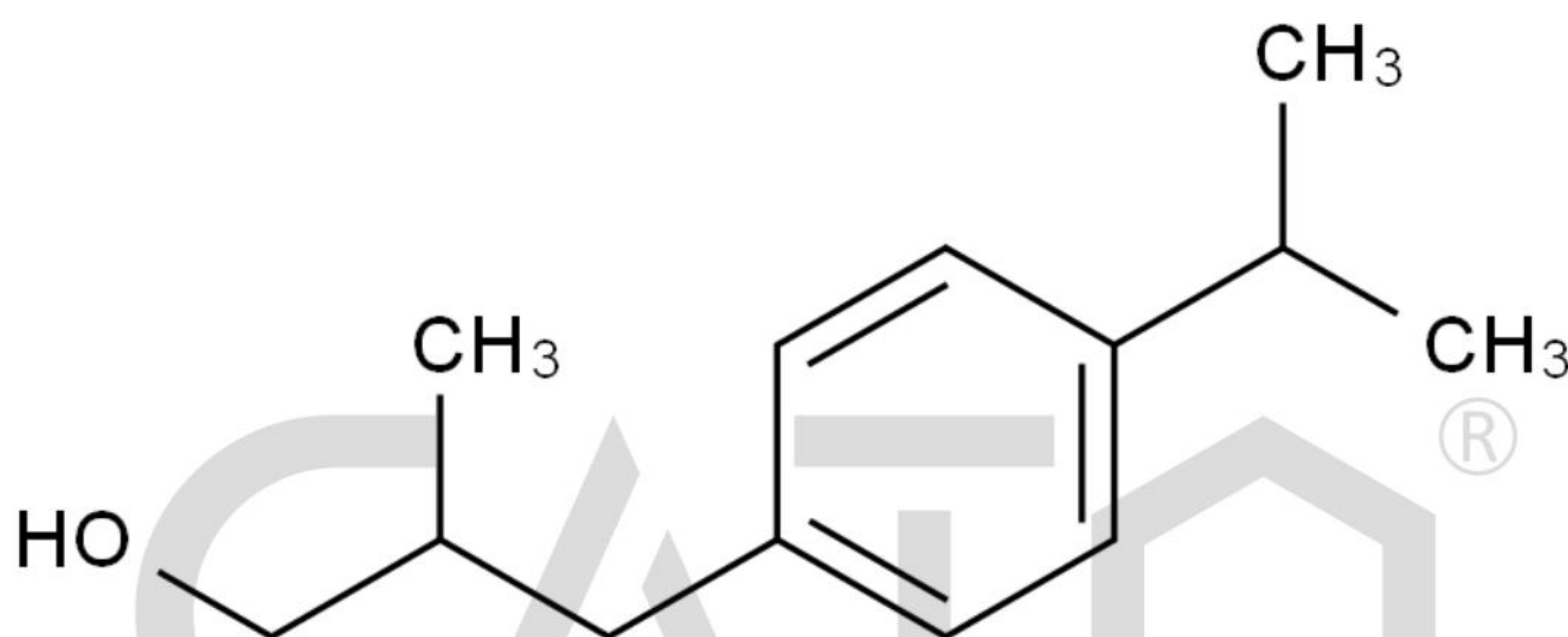


Certificate of Analysis

Reference Material & Standard

Product Name:	Cyclamen Alcohol	Catalogue Number:	CCFD201030
Synonyms:	N/A	Lot Number:	0422-RF-0093
CAS Number:	4756-19-8	Expiry Date:	Apr 20, 2028
Molecular Formula:	C ₁₃ H ₂₀ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	192.30		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless to Light Yellow Liquid
Identification	GCMS&HNMR	Confirmed
Purity	HPLC	95.6%
Assay	qNMR	95.4%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
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:

Hin Lam

Aproved by General Manager:

David

Date: Apr 24, 2024

Date: Apr 24, 2024

Date: Apr 24, 2024

