



CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue Number:	D288592	CAS Number:	1330046-00-8
Product:	Des(1-cyclohexanol) Venlafaxine-d6	Synonym:	4-Methoxy-N,N-(dimethyl-d6)benzeneethanamine; p-Methoxy-N,N-(dimethyl-d6)
Structure:		Molecular Formula:	C ₁₁ H ₁₁ D ₆ NO
		Molecular weight:	185.3
		Source of Product:	Synthetic
		Solubility:	Chloroform (Slightly), Methanol (Slightly)
Lot Number:	8-GJF-59-2	Purity:	Chemical Purity: 98% Isotopic Purity: 99.6%
Shipping Condition:	This Product Is Stable To Be Shipped At Room Temperature	Storage Condition:	4°C

2. Warning

Warning 1: **Warning 2:** **Warning 3:**

3. Analytical Information

Tests:	Specifications:	Results:
NMR	Conforms to structure	Conforms
MS	Conforms to Structure	Conforms
HPLC		99.13%
Elemental Analysis	Conforms	Refer: Additional Information
Appearance		Clear Colourless Oil

Additional Information: TLC Conditions: SiO₂; Dichloromethane : Methanol : Ammonium Hydroxide = 9 : 1 : 0.1; Visualized with UV and AMCS; Single Spot, R_f = 0.40.1H NMR and MS conform to structure. Normalized Intensity: d₀ = 0.09%, d₁ = 0.00%, d₂ = 0.00%, d₃ = 0.02%, d₄ = 0.00%, d₅ = 1.98%, d₆ = 97.91%, Elemental Analysis: (Found) %C: 70.33, %H: 9.40, %N: 7.84; (Calculated) %C: 71.30, %H: 9.25, %N: 7.56

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Philip Chan			7/12/2018	7/10/2025