

Analytical Report

Sample ID	4366	-	Analysis Service - A3052
Expected	DMT		
Sample adulterated or impure?	No		
Sample Appearance			
Sample type	Service	-	
Date of sample receipt	17-Nov-2025		
Date of analysis	23-Nov-2025		
Date of Report	25-Nov-2025		

Full Quantitative + Qualitative Analysis

Substances identified

	Harm Reduction information	Chemical Class	Pubchem ID	Analytical techniques used
DMT 96.9%	https://psychonautwiki.org/wiki/DMT		N/A	FTIR/LCMS/NMR
2-methyl-1,2,3,4-tetrahydro-beta-carboline (minor)				

* uncertainty of measurement +/- 5 %
Unless stated otherwise elsewhere

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Detailed information regarding our workflow including a full description of the analytical methods applied

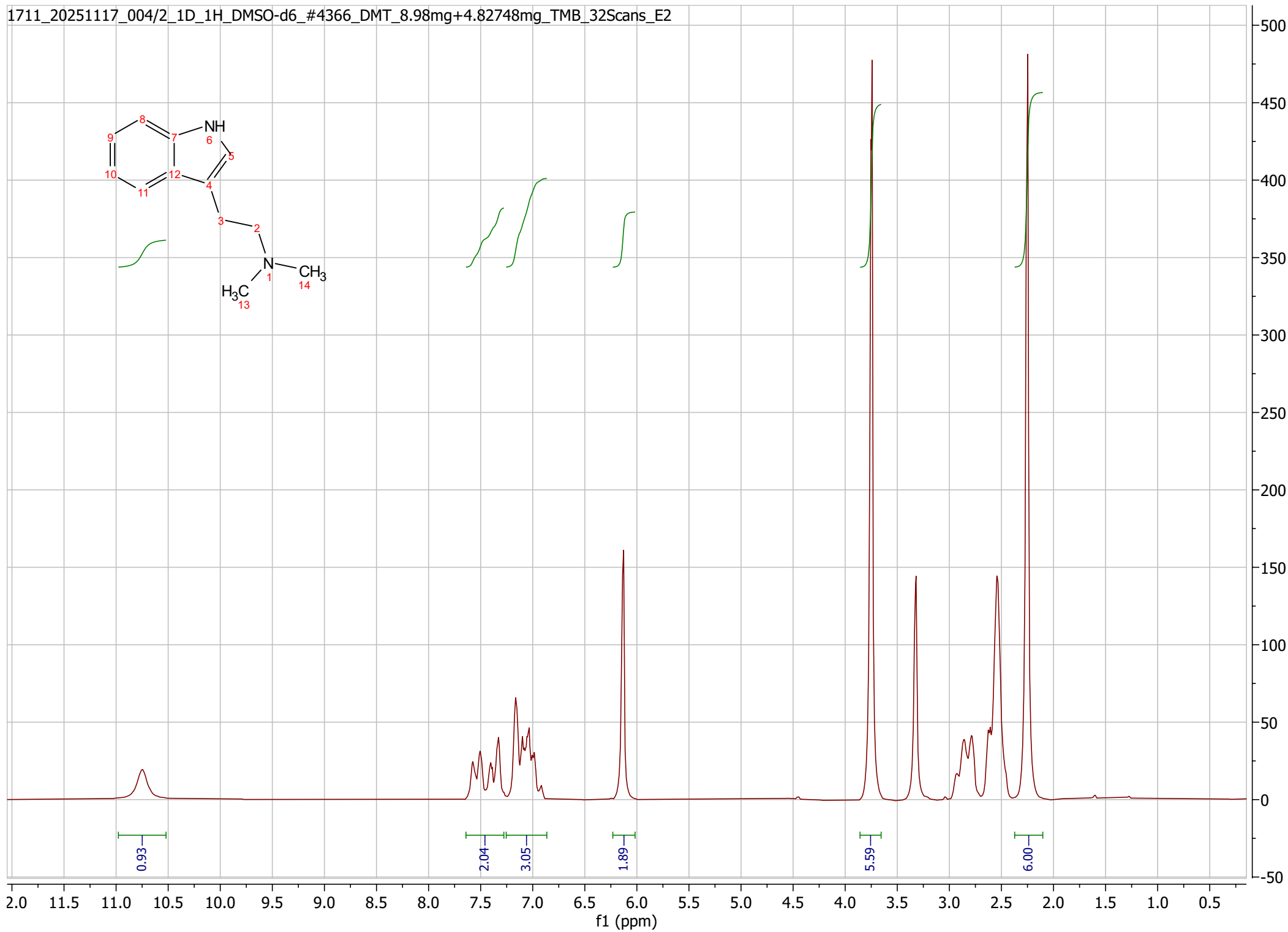
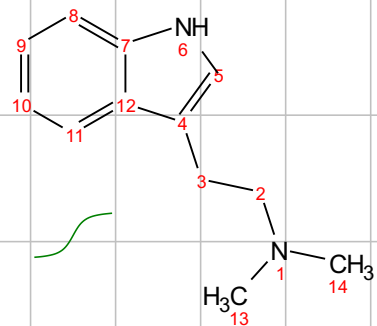
is freely available under <https://www.kykeonanalytics.com/services/users/>

Attachments:

Report generated by: tsan

End of Analytical Report

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GC–MS Report (Manual Version)

Processo nº 2025/000007-4366/T-Q-P

AIM: To identify substances present in the sample.

MATERIAL AND METODS:

Reagents and Chemicals - HPLC-grade methanol (MeOH, >99.9%) was purchased from Panreac (Panreac, Barcelona, Spain).

Sample Preparation - 1 mg of the sample was dissolved in 1 mL of MeOH and vortexed for 1 min. The insoluble material was removed and directly injected into the GC-MS system.

Instrumentation - The analysis was performed on an Agilent 6890 series gas chromatography system, coupled with a 5973 series mass selective detector and a 7683 series automated injector (Agilent Technologies, Santa Clara, CA, USA). The GC separation was performed on a Mega 5MS column (30 m × 0.25 mm × 0.25 µm). The oven temperature programme started at 90 °C and was held for 2 min, and then it was increased by 20 °C/min until it reached 315 °C, which was maintained for 5 min. Helium was used as the carrier gas at a flow rate of 1.5 mL/min. A total of 1 µL of the previously prepared sample was injected in split mode (50:1) at 280 °C. The transfer line temperature was set to 280 °C, the ion source temperature was set to 230 °C, and the quadrupole temperature was set to 150 °C. The mass spectrometer electron ionisation was set to 70 eV, and the run was performed in scan mode over the m/z range of 30–450. The compound’s mass spectrum was identified using the Wiley 7N Edition (Agilent Part No. G1035B) and National Institute of Standards and Technology (NIST) MS Search (v.2).

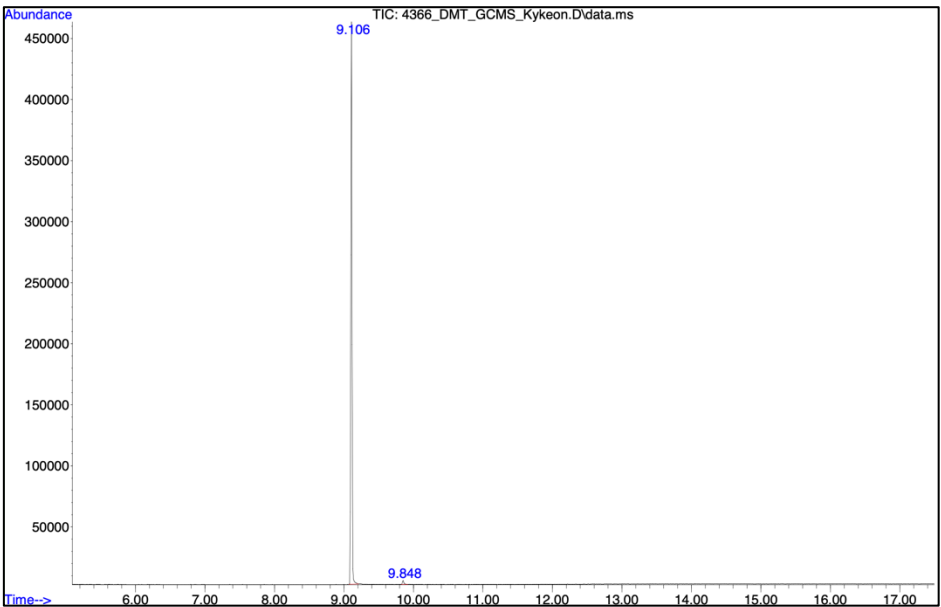
SAMPLE NAME: Sample_4366_DMT

DATE OF ANALYSIS: 2025-11-20

INSTRUMENT: Agilent GC–MS

RESULTS:

1. TIC Spectrum

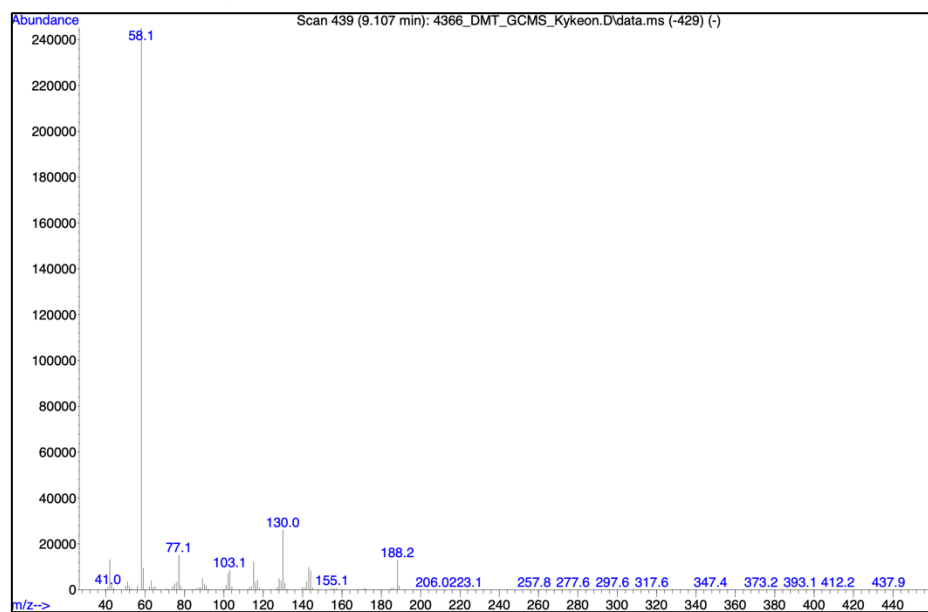


2. Peak Assignment Table

RT (min)	Compound	Peak area	Main ions (m/z)
9.11	DMT	5560717	58, 77, 130, 188
9.85	2-methyl-1,2,3,4-tetrahydro-beta-carboline	49298	115, 143, 186

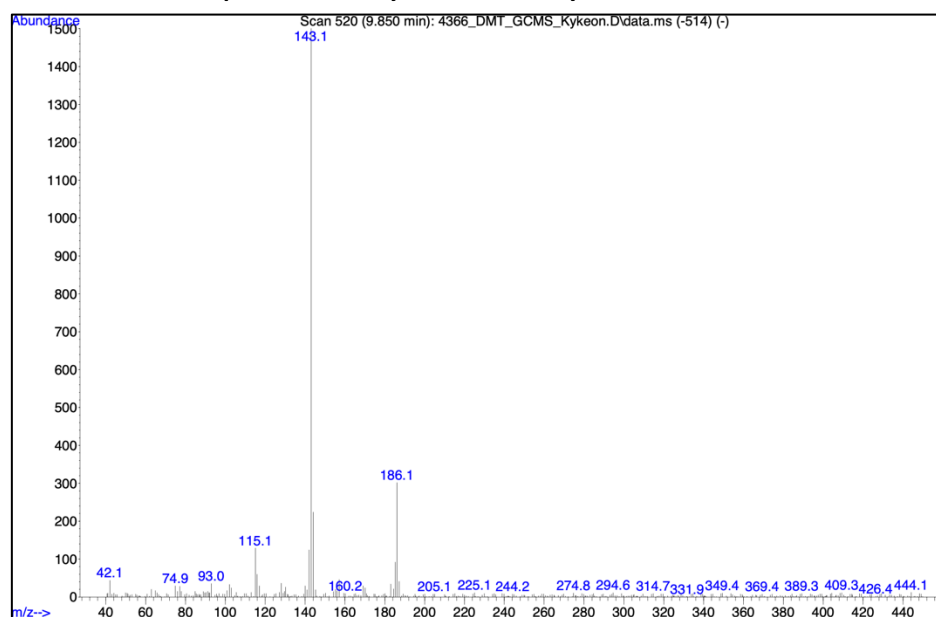
3. Individual Mass Spectra

RT: 9.11 min – Compound: DMT



Main ions: 58, 77, 130, 188

RT: 9.85 min – Compound: 2-methyl-1,2,3,4-tetrahydro-beta-carboline



Main ions: 115, 143, 186

CONCLUSION

It is concluded that the sample contains DMT and 2-methyl-1,2,3,4-tetrahydro-beta-carboline in its composition.

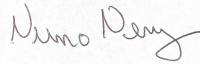
Monte de Caparica, 24 November 2025

EXPERTS:

Barbara Filipa Coelho Barra

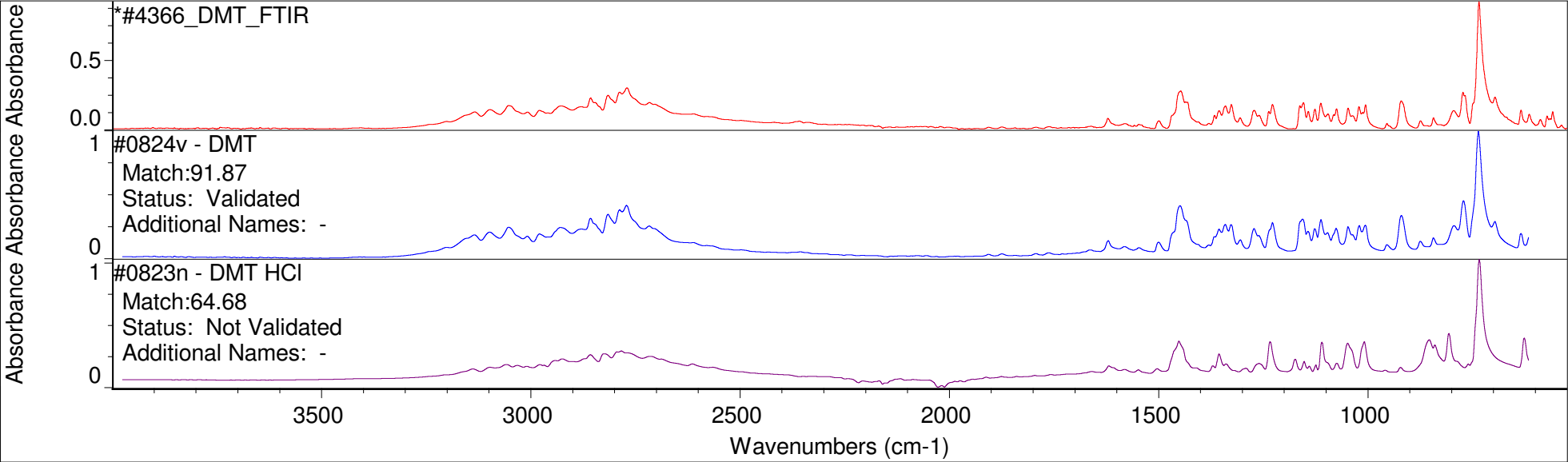
Bárbara Barra

SCIENTIFIC SUPERVISOR:



Dr. Nuno Neng

Search results for: *#4366_DMT_FTIR
Date: Mon Nov 17 10:45:49 2025 (GMT+01:00)
Search algorithm: Correlation
Regions searched: 3498.29-700.00



Search results list of matches

	Index	Match	Compound Name	Library Name
1	127	91.87	#0824v - DMT	ENFSI DWG Drugs Subset C
2	126	64.68	#0823n - DMT HCl	ENFSI DWG Drugs Subset C
3	1017	62.10	#4357n - MALT base	ENFSI DWG Drugs Subset C