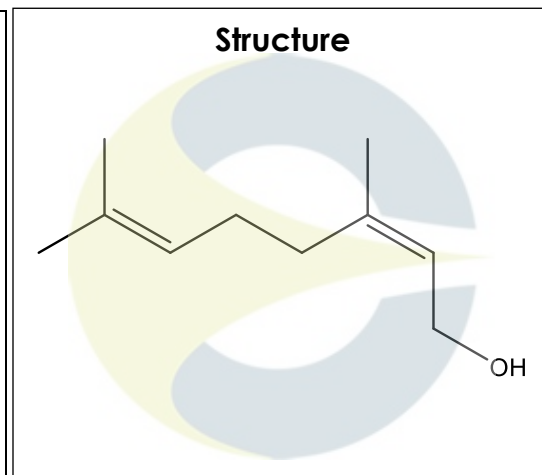


**Certificate of Analysis**
*For Laboratory Use Only*

<b>PRODUCT NAME</b>	Nerol
<b>PART NUMBER</b>	00014290
<b>STANDARD TYPE</b>	Analytical Standard (AS)
<b>LOT NUMBER</b>	00014290-3978
<b>REPORT NUMBER</b>	CDXA-RSS-3461-03
<b>SAMPLE NUMBER</b>	CDXA-08-3978
<b>DATE OF RE-EVALUATION</b>	03/16/2009 (1 <sup>st</sup> ); 12/19/2013 (2 <sup>nd</sup> ); 01/04/2019 (3 <sup>rd</sup> ); 11/04/2022 (4 <sup>th</sup> )
<b>DATE OF REPORT</b>	11/11/2022



<b>CHEMICAL NAMES</b>	(Z)-3,7-Dimethyl-2,6-octadien-1-ol; (Z)-Geraniol; Neryl alcohol; cis-Geraniol
<b>CHEMICAL FORMULA</b>	C <sub>10</sub> H <sub>18</sub> O
<b>MOLECULAR WEIGHT (MW)</b>	154.25
<b>CHEMICAL FAMILY</b>	Essential Oils
<b>CAS NUMBER</b>	[106-25-2]
<b>EC#(EINECS)</b>	203-378-7
<b>RTECS</b>	RG5840000

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
GC	0.700.10.2.METH140	≥ 75%	95.8%
Mass Spectrum	0.700.10.2.METH140	Conforms	Conforms
Appearance	NA	NA	Oil

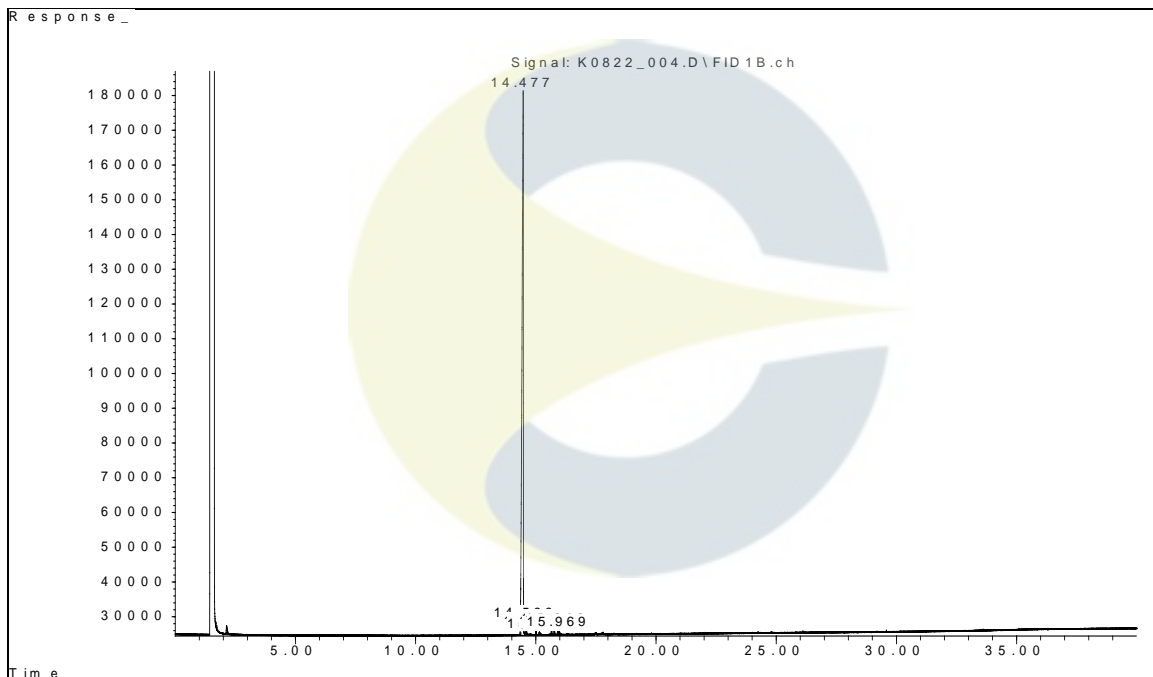
**STORAGE CONDITIONS**

<b>STORAGE</b>	+4 °C in a dry place.
<b>EXPIRATION DATE</b>	11/2027 under the above conditions.

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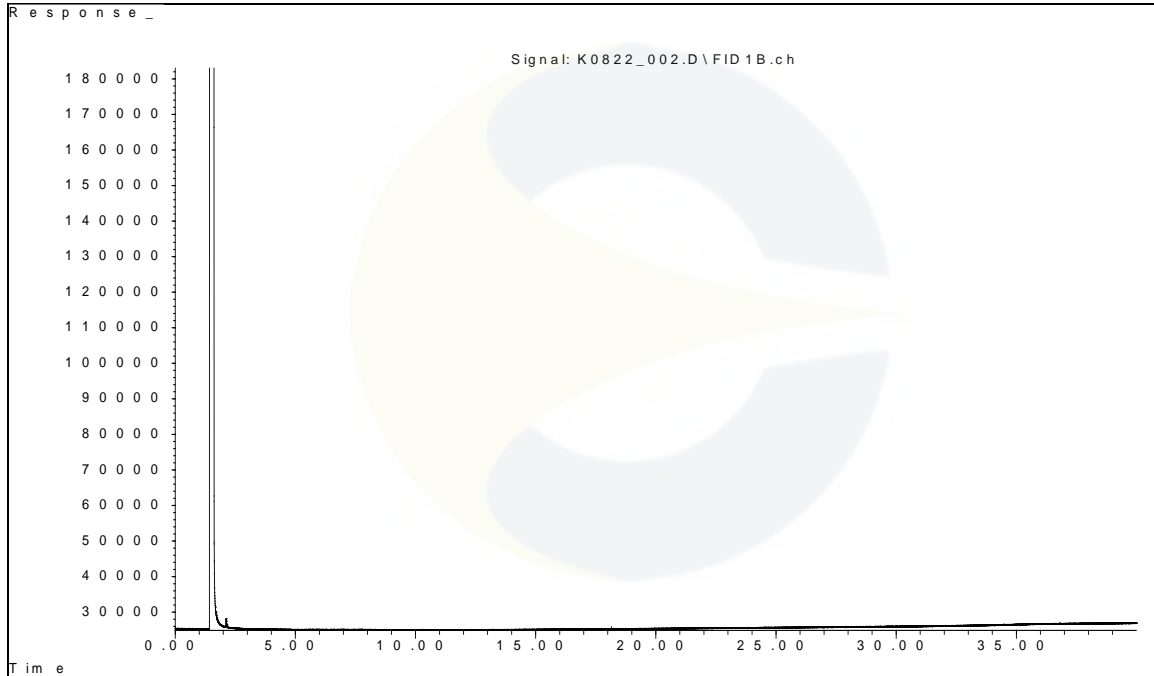
**ANALYTICAL CONDITIONS**

<b>INSTRUMENT</b>	AGILENT 7890B WITH FLAME IONIZATION DETECTOR (FID) AND AGILENT 5977B MASS SELECTIVE DETECTOR (MSD)
<b>COLUMN</b>	Phenomenex Zebron ZB-5plus, 30 m x 0.32 mm x 0.25 µm
<b>CARRIER GAS</b>	Helium
<b>COLUMN TEMP.</b>	Isothermic 40 °C for 5.0 minutes, then increasing at 10.0 °C/minute to 340 °C. Hold at 340 °C for 5.0 minutes.
<b>FLOW RATE</b>	2.0 mL/minute
<b>INJECTOR TEMP.</b>	300 °C
<b>INJECTOR SPLIT RATIO</b>	20:1
<b>INJECTION VOL.</b>	1.0 µL
<b>INJECTION CONC.</b>	6.0 mg/mL in Methanol
<b>DETECTION</b>	FID (300 °C) & MSD (Transfer line 280 °C, Source 230 °C, Quad 150 °C)

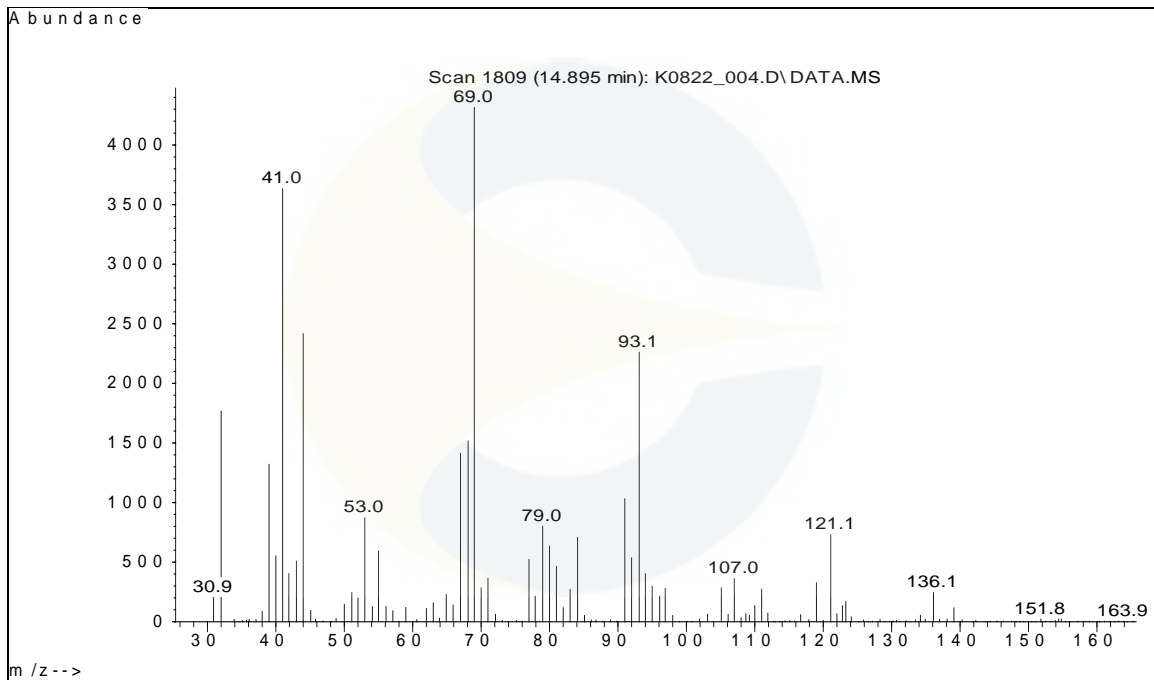
**GC CHROMATOGRAM OF NEROL (CDXA-08-3978)**


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**GC CHROMATOGRAM OF DILUENT BLANK**



**MASS SPECTRUM OF NEROL (CDXA-08-3978)**



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## REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	04/27/2009	New report
01	12/06/2014	Passed second re-evaluation. Updated expiration date.
02	01/04/2019	Passed third re-evaluation by GC-FID/MS. Updated analytical method, conditions, chromatograms, results, and expiration date. Removed melting point.
03	11/11/2022	Passed fourth re-evaluation by GC-FID/MS. Updated expiration date, analytical results, analytical conditions, and chromatograms.

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