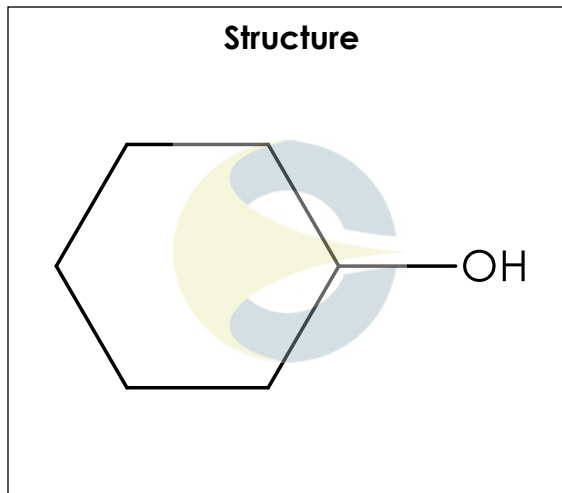


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PRODUCT NAME	Cyclohexanol
PART NUMBER	00003971
STANDARD TYPE	Analytical Standard (AS)
LOT NUMBER	00003971-13V
REPORT NUMBER	CDXA-RSS-6353-01
SAMPLE NUMBER	CDXA-14-7328
DATE OF SAMPLE	11/19/2014
DATE OF RE-EVALUATION	10/15/2019
DATE OF REPORT	11/25/2019



CHEMICAL NAMES	1-Cyclohexanol; Cyclohexyl alcohol; Hexahydrophenol; Hydroxycyclohexane; Hexahydrophenol
CHEMICAL FORMULA	C ₆ H ₁₂ O
MOLECULAR WEIGHT (MW)	100.16
CHEMICAL FAMILY	Solvents
CAS NUMBER	[108-93-0]
EC#(EINECS)	203-630-6
RTECS	GV7875000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
GC	0.700.10.2.METH156	NA	99.9%
Mass Spectrum	0.700.10.2.METH156	Conforms	Conforms
Appearance	NA	NA	Liquid

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	10/2024 under the above conditions.

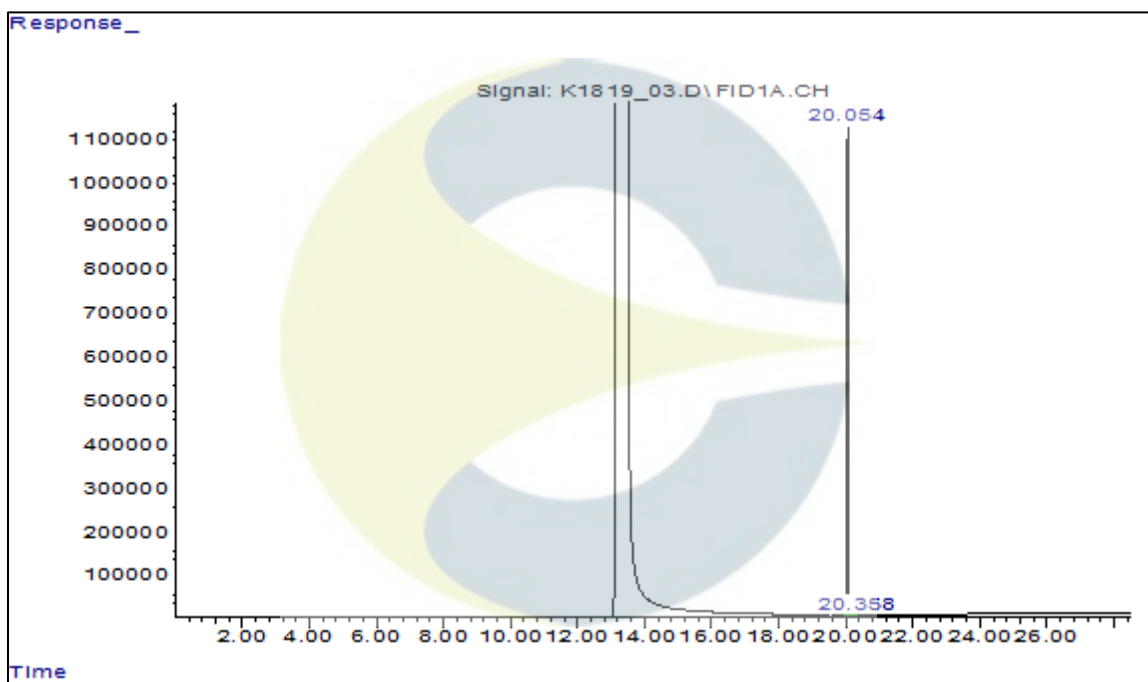
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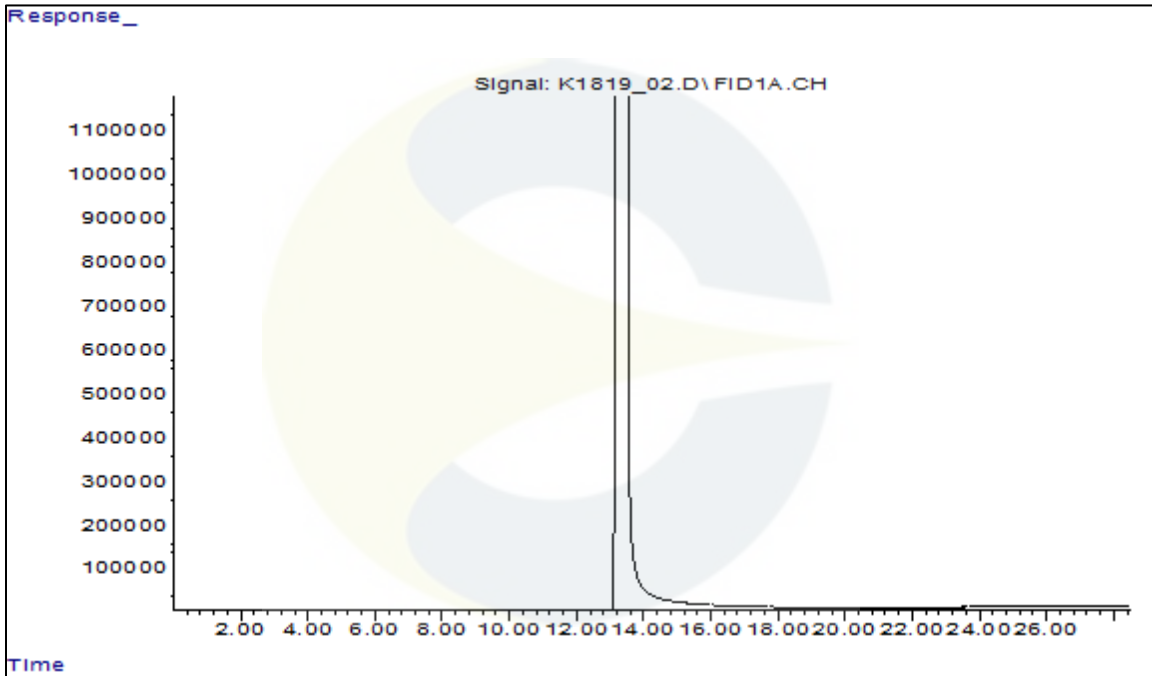
ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 6890N WITH FLAME IONIZATION DETECTOR (FID) AND AGILENT 5973N MASS SELECTIVE DETECTOR (MSD)
COLUMN	Agilent J&W DB-624UI 30m x 0.25 mm x 1.4 µm; connected to an MXT Y-union, connected to an Agilent deactivated guard column: 10 m x 0.25 mm to FID; and a 5 m x 100 µm transfer line to MSD.
CARRIER GAS	Helium
COLUMN TEMP.	Isothermic 40 °C for 8.0 minutes, then increasing at 13.0 °C/minute to 240 °C. Hold at 240 °C for 5.0 minutes.
FLOW RATE	1.5 mL/minute
INJECTOR TEMP.	200 °C
INJECTOR SPLIT RATIO	20:1
INJECTION VOL.	1.0 µL
INJECTION CONC.	3.0 mg/mL in Acetonitrile
DETECTION	FID (250 °C) & MSD (Transfer line 240 °C, Source 250 °C, Quad 200 °C)

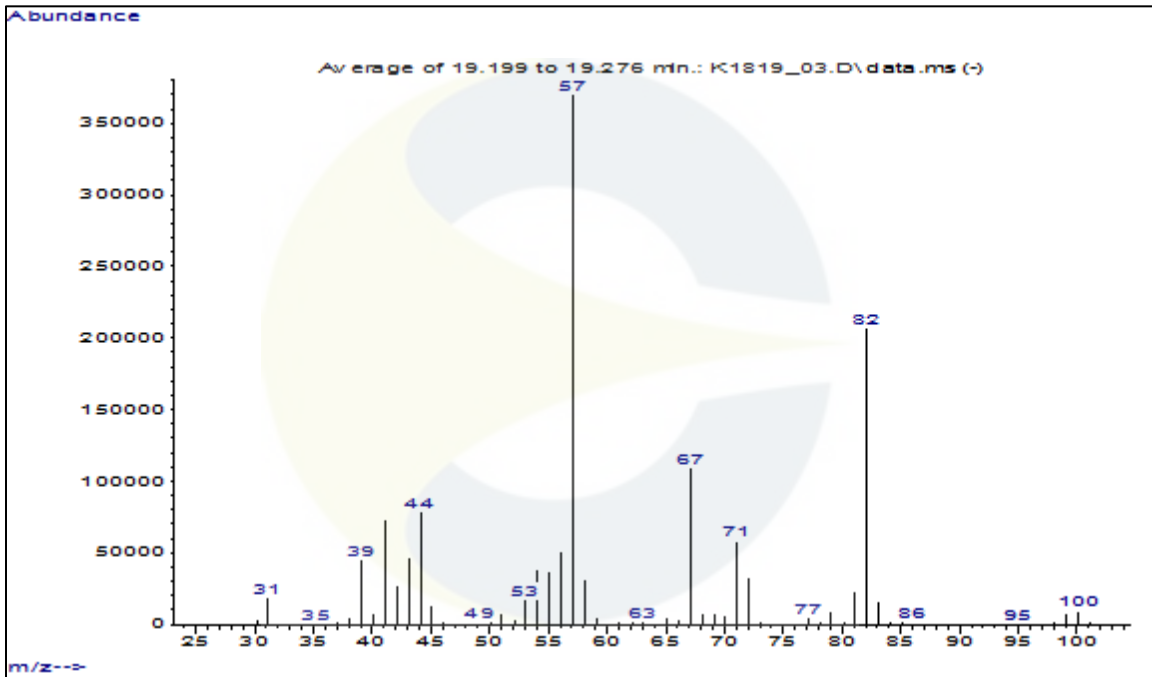
GC CHROMATOGRAM OF CYCLOHEXANOL (CDXA-14-7328)


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GC CHROMATOGRAM OF DILUENT BLANK



MASS SPECTRUM OF CYCLOHEXANOL (CDXA-14-7328)



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REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	12/08/2014	New report
01	11/25/2019	Passed re-evaluation by GC-MS/FID. Updated Chemical Names, Analytical Results, Analytical Conditions, Chemical Family, chromatograms, spectrum, and expiration date.

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