





Certificate of Analysis

For Laboratory Use Only

PRODUCT NAME Ethylacetate

PART NUMBER 00005336

STANDARD TYPE Analytical Standard (AS)

LOT NUMBER 00005336-016

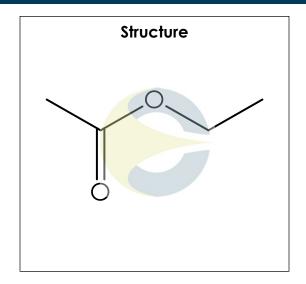
REPORT NUMBER CDXA-RSS-2489-02

SAMPLE NUMBER CDXA-08-0708

DATE OF SAMPLE 04/10/2008

DATE OF RE-EVALUATION 12/26/2014 (1st); 07/25/2019 (2nd)

DATE OF REPORT 08/21/2019



CHEMICAL NAMES Acetic ether; Acetoxyethane; Acetic acid ethyl ester; Ethyl ethanoate

CHEMICAL FORMULA $C_4H_8O_2$ MOLECULAR WEIGHT (MW) 88.11

CHEMICAL FAMILY Aliphatic esters

CAS NUMBER [141-78-6] **EC#(EINECS)** 205-500-4

RTECS AH5425000

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT	
GC	See Below	NA	99.5%	
Mass Spectrum	See Below	Conforms	Conforms	
Appearance	NA	NA	Liquid	

STORAGE CONDITIONS

STORAGE +4 °C in a dry place.

EXPIRATION DATE 07/2024 under the above conditions.







For Laboratory Use Only

Certificate of Analysis

ANALYTICAL CONDITIONS

INSTRUMENT AGILENT 6890N WITH FLAME IONIZATION DETECTOR (FID) AND

AGILENT 5973N MASS SELECTIVE DETECTOR (MSD)

COLUMN Agilent J&W DB-624 Ultra Inert, 30 m x 0.25 mm x 1.4 µm; connected to an MXT Y-

union, connected to an Agilent deactivated retention gap 10 m x 0.25 mm to FID; and an Agilent deactivated transfer line: 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

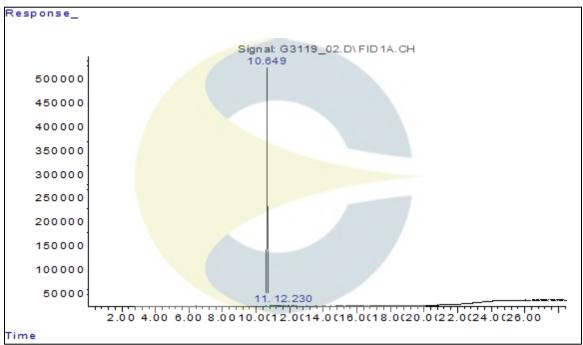
INJECTOR SPLIT RATIO 20:1

INJECTION VOL. 0.2 μL

INJECTION CONC. 5.2 mg/mL in Ultrapure water

DETECTION FID (250 °C) & MSD (Transfer line: 240 °C; Source: 250 °C, Quad: 200 °C)

GC CHROMATOGRAM OF ETHYLACETATE (CDXA-08-0708)





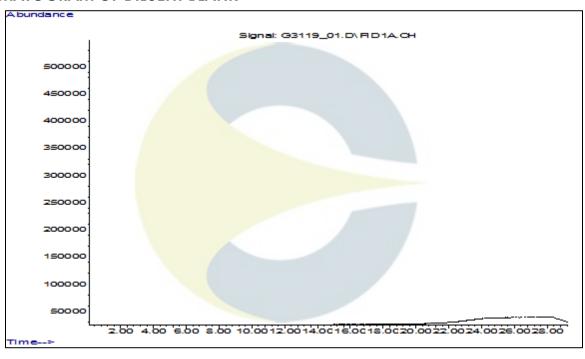




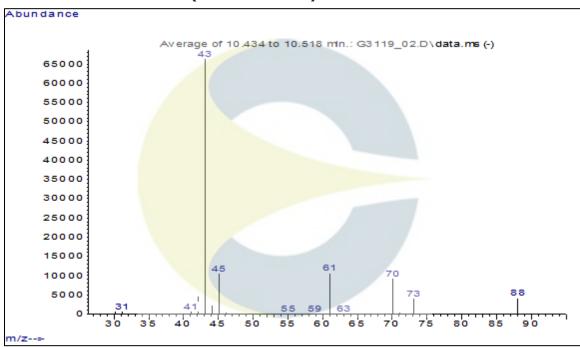
Certificate of Analysis

For Laboratory Use Only

GC CHROMATOGRAM OF DILUENT BLANK



MASS SPECTRUM OF ETHYLACETATE (CDXA-08-0708)









Certificate of Analysis

For Laboratory Use Only

REVISION HISTORY

Revision History	<u>Date of Revision</u>	<u>Document/Changes</u>
00	04/10/2008	New report
01	01/02/2015	Passed re-evaluation by GC-FID. Updated expiration date, appearance, chemical names and chemical family.
02	08/21/2019	Passed re-evaluation by GCMS/FID. Updated expiration date, chemical names, structure, Analytical Conditions, chromatograms, spectra and Analytical Results. Removed melting point.