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CERTIFICATE OF COMPLIANCE/ANALYSIS

Product : Acetone GC reference standard 100 ML

Synonym: Methyl methyl keton.



Article no : 0001037231BS

CAS 67-64-1

M.P. -95 °C

Lot#: 0010012225

EC NO 200-662-2

B.P. 56 °C

Grade: Secondary Reference
Standard for GC

FW C3H6O

n20/Dn20/D 1.359

MW 58.08

DENSITY 0.79

UN 1090,3,II

Test	Specification	Result
Clear colorless liquid	Complying	Complying
Color (APHA Pt-Co)	<= 10	5
Purity (GC/FID; on anhyd.basis)*	>= 99.90 %	99.99 %
Water (KF)	<= 0.3 %w/w	0.2 %w/w
Residue after evaporation	<= 0.0005 %w/w	< 0.0001 %w/w
Identity (IR)	Complying	Complying
Identification by GC/MS**	Complying	Complying
NMR H1 spectrum	Complying	Complying

Secondary reference standard for GC applications.

*GC/FID Conditions: Column DB-5MS 30mX0.32mmX1.0µm.

Inj. vol. 1.0uL, Split 1:60, Pressure 7.9psi (Nitrogen).

Inj. temp. 250°C, Det. temp.300°C, Oven prog.: 50°C 8min.,

Ramp 1: 30°C/min. to 250°C, hold 10min.

**GC/MSD Conditions (30-600 amu):

Column Rxi624Sil MS 30mX0.25mmX1.4µm.

Inj. vol. 0.5uL, Split 1:20, Flow 0.624ml.min (Helijum).

Inj.temp. 250°C, Det. temp. 300°C, Oven prog.:40°C 7min.,

Ramp 1: 10°C/min. to 300°C, hold 10min.

***Traceable to USP Reference standard 1006801.

Manufacturing Date : 06/2023

Expiration Date : 06/2026

TERMS OF SALE:

SELLERS ONLY OBLIGATION SHALL BE TO REPLACE SUCH QUANTITY OF THE PRODUCT PROVEN TO BE DEFECTIVE. SELLER SHALL NOT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE, MISUSE, OR THE INABILITY TO USE THE PRODUCT. USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE AND SHALL ASSUME ALL LIABILITY IN CONNECTION THEREWITH.

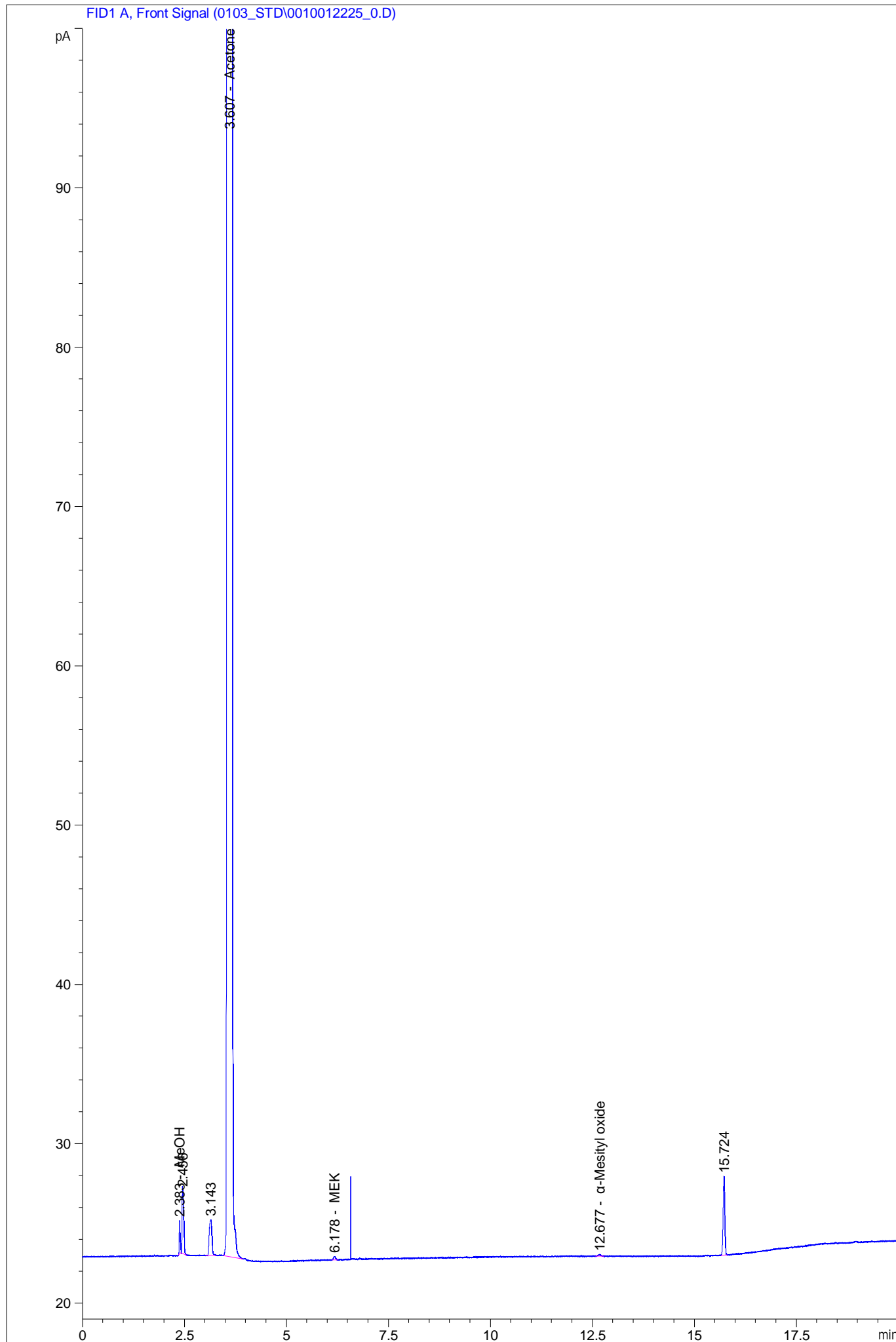
Store at room temperature in a shaded and ventilated place.

Our COA's are computer printouts and therefore valid without signature.

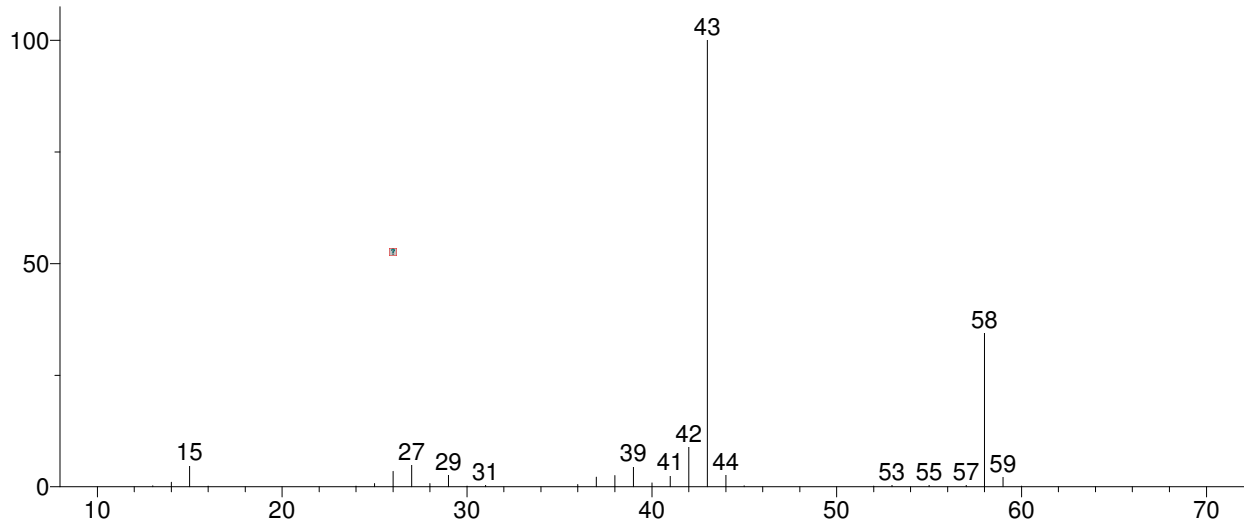
SDS is available on our website.

Y.Shalom Ph.D.
QC Manager

Current Chromatogram(s)



Unknown; InLib=184



(Text File) Average of 3.918 to 3.986 min.: 001001225_1.D\data.ms

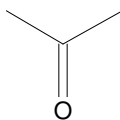
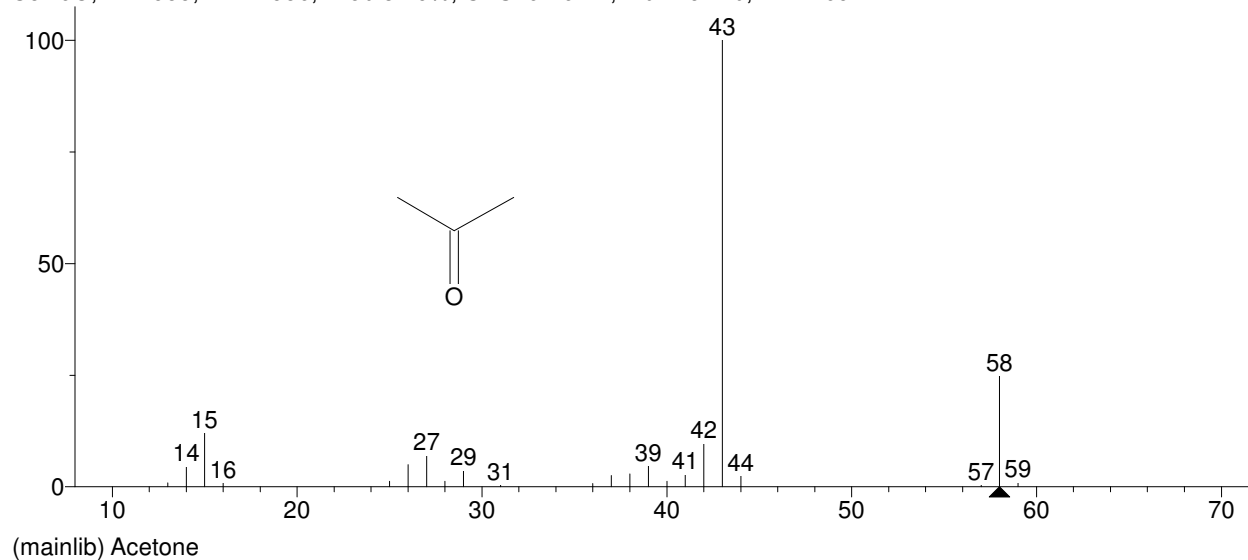
Name: Average of 3.918 to 3.986 min.: 001001225_1.D\data.ms

MW: N/A ID#: 12685 DB: Text File

10 largest peaks:

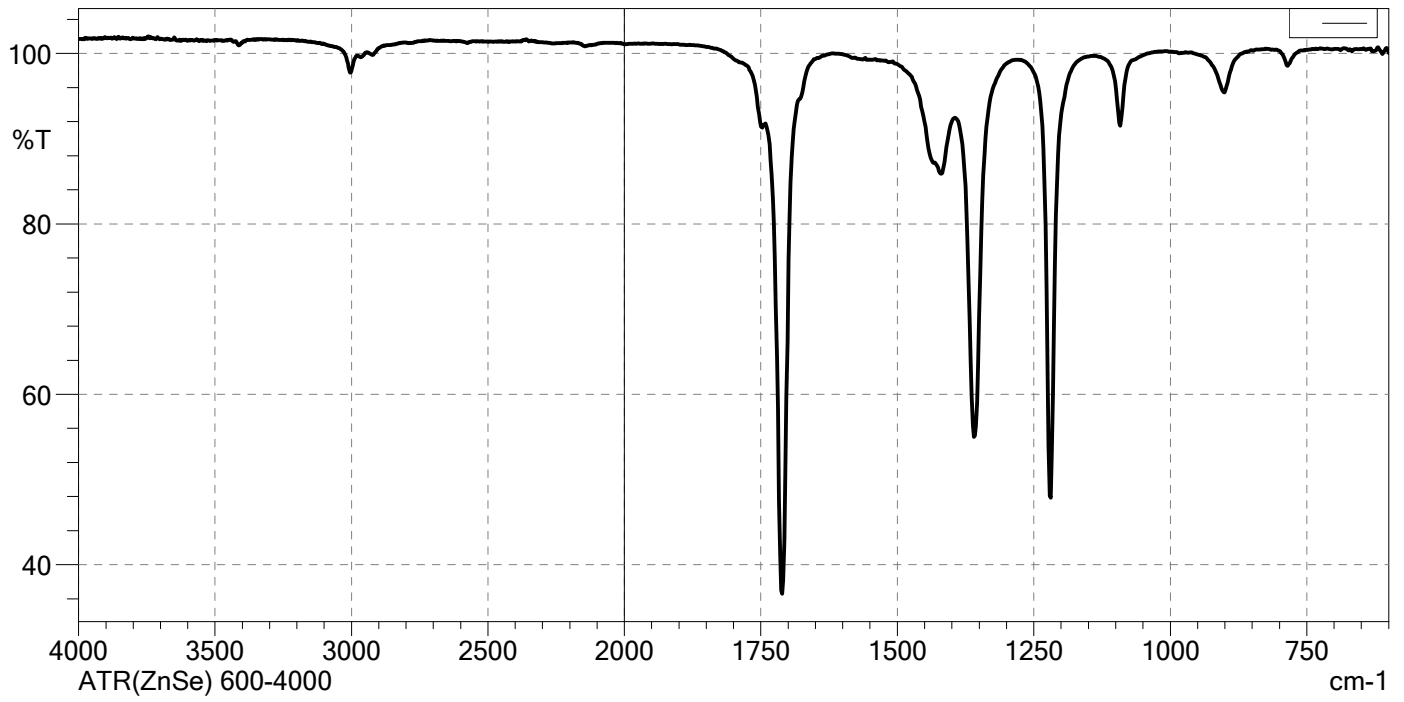
43 999 | 58 344 | 42 89 | 27 49 | 15 47 | 39 45 | 26 34 | 29 26 | 44 26 | 38 25 |

Hit 1 : Acetone
C3H6O; MF: 933; RMF: 936; Prob 82.0%; CAS: 67-64-1; Lib: mainlib; ID: 7469.



Name: Acetone
Formula: C₃H₆O
MW: 58 CAS#: 67-64-1 NIST#: 114413 ID#: 7469 DB: mainlib
Other DBs: Fine, TSCA, RTECS, EPA, USP, HODOC, NIH, EINECS, IRDB
Contributor: NIST Mass Spectrometry Data Center, 1990.
10 largest peaks:

43 999 | 58 248 | 15 120 | 42 96 | 27 70 | 26 49 | 39 46 | 14 45 | 29 36 | 38 28 |



	Item	Value
	Sample ID	0010012225

ACETONE

LOT NO: 0010012225

