

Chemical Information:

Name: 2-Butanone, 3,3-dimethyl-
CAS No.: 75-97-8 Supplier: Sigma Aldrich
Tox21_ID No.: Tox21_200060 Lot No.: 06717AI
NTP_CID No.: 2339 MW: 100.16 g/mol

Date of Analysis: 6 March 2015

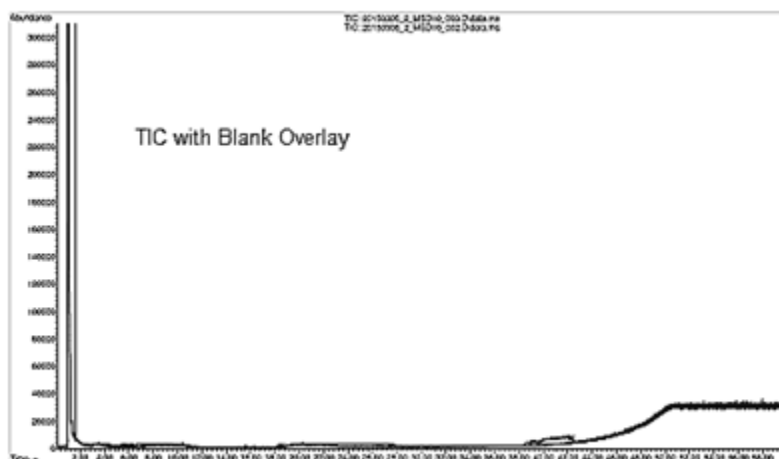
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
2-Butanone, 3,3-dimethyl-	1.617	99.77

^a Peaks comprising ≥ 0.5% of total area.

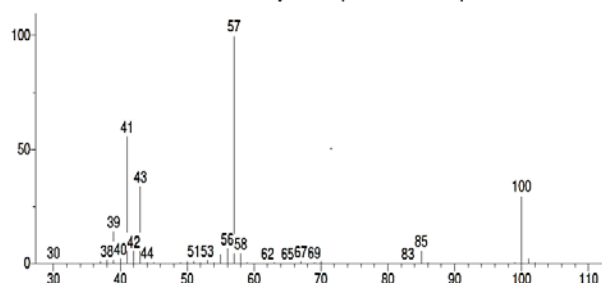
GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph / Mass Spectrometer / Electron Impact
Solvent	Ethanol
Column	J&W DB-1, 30 m x 0.25 mm ID, 0.25-μm film thickness
Carrier Gas	Helium at 1.5 mL/min
Oven Program	50°C, hold 0 min; ramp @ 5°C/min to 300°C, hold 10 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Splitless
Run Time	60.0 minutes
Data Analysis Software	MSD ChemStation, ver D.03.00.611, NIST Library ver 2.0d, build Dec 2005



Unknown: Scan 263 (1.616 min): 20150306_2_MSD10_003.D\data.ms (-264)
Compound in Library Factor = 327

Major Component Mass Spectrum



Hit 1: 2-Butanone, 3,3-dimethyl-
C6H12O; MF: 939; RMF: 939; Prob 87.2%; CAS: 75-97-8; Lib: replib; ID: 5273.

NIST Reference Mass Spectrum

