

Chemical Information:

Name: 2,2-Dimethyl butanoic acid
CAS No.: 595-37-9 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_200740 Lot No.: 05716KU
NTP_CID No.: 111 MW: 116.16 g/mol

Date of Analysis: 01 July 2009

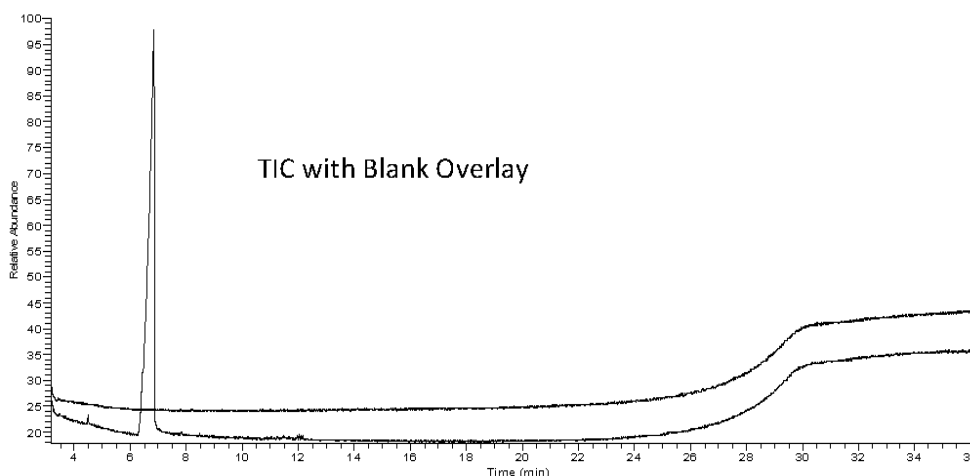
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
2,2-Dimethyl butanoic acid	6.84	100.00

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Ethanol (~ 1 mg/mL)
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25-μm film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Split (100:1)
Run Time	36.5 minutes
Data Analysis Software	Xcalibur ver 1.2 and NIST Library ver 2.0f, build 10/8/2008



00001713 #402 RT: 6.83 AU: 1 SB: 14 6.22-6.27.704-7.10 NL: 1.3085
T: (0.0) + + 61 exp-355.05 Full ms [25.00-500.00]

