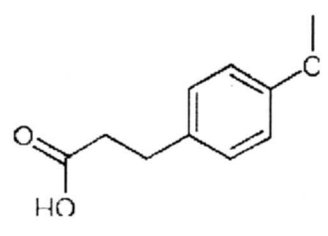


CERTIFICATE OF ANALYSIS

Cat. No.: 01-1180

<u>Product:</u>	3-(4-METHOXYPHENYL)PROPIONIC ACID
<u>CAS No.:</u>	[1929-29-9]
<u>Lot No.:</u>	NP031080
<u>Molecular Formula:</u>	C ₁₀ H ₁₂ CO ₃
<u>Molecular Weight:</u>	180.2
<u>Melting Point:</u>	101-104°C
<u>Appearance:</u>	Off white crystalline powder
<u>TLC:</u>	Chloroform : Methanol (9:1)
<u>Solubility:</u>	Clear solution in chloroform
<u>Purity (HPLC):</u>	99.12%





INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

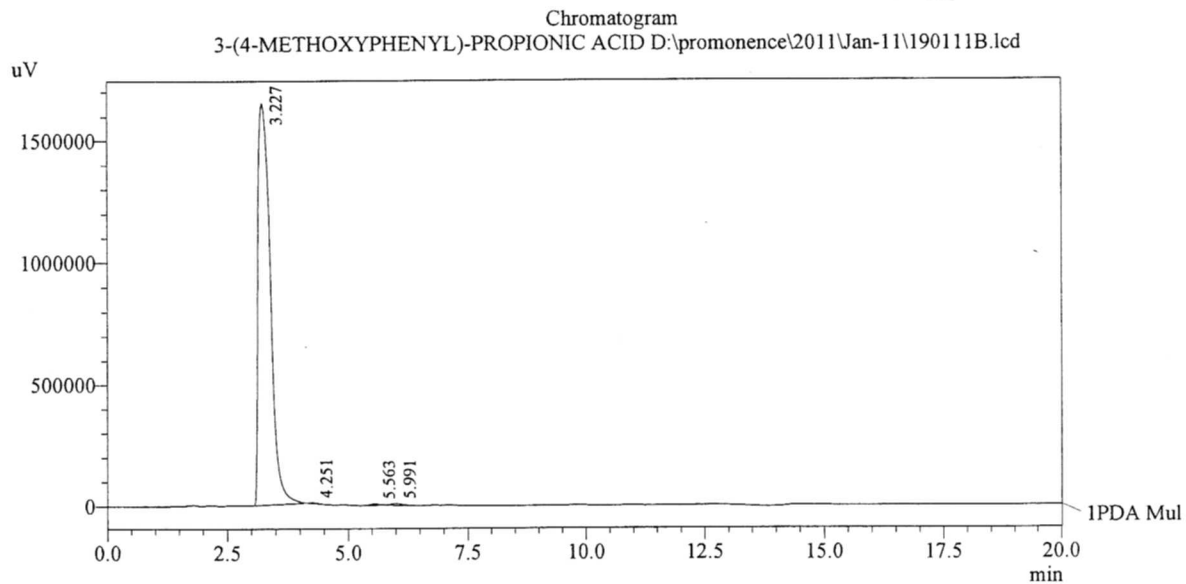
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Date Acquired : 1/19/2011 10:42:54 AM
Acquired by : Madhuri
Sample Name : 3-(4-METHOXYPHENYL)-PROPIONIC ACID
Sample ID : Lot No. : NP031080
Injection Volume : 20 uL
Data Filename : 190111B.lcd
Method Filename : Linear Isocratic.M.lcm

Cat. No.: 01-1180
Product name: 3-(4-Methoxyphenyl)propionic acid
Lot No.: NP031080

Description:
Column : Inertsil C-18, 250X4.6mm 5.0µm
Flow : 1.000ML/min.
Mobile Phase : A(20% of 0.05% TFA) B(80% of ACN)



1 PDA Multi 1 / 230nm 4nm

PeakTable

PDA Ch1 230nm 4nm

Peak#	Ret. Time	Area	Height	Area %
1	3.227	28603817	1648025	99.129
2	4.251	54749	4691	0.190
3	5.563	75396	5916	0.261
4	5.991	121138	7558	0.420
Total		28855100	1666190	100.000



INDOFINE Chemical Company, Inc.

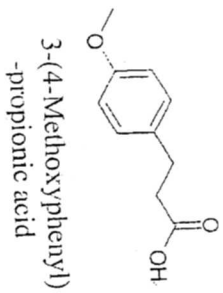
121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

3,4-MPPA 1H NMR CDC13

Cat. No.: 01-1180

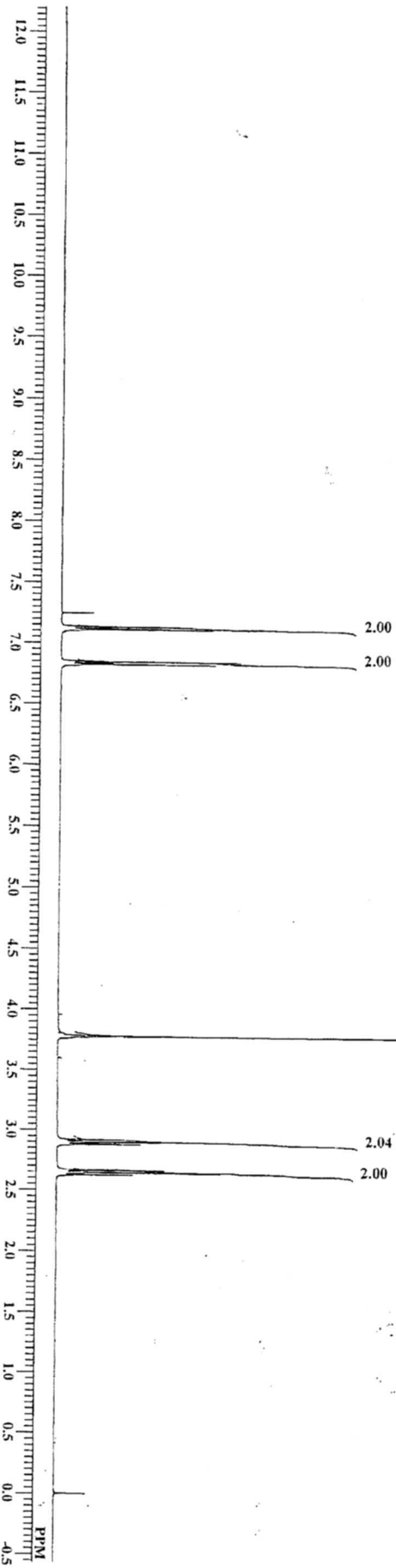
Product name: 3-(4-Methoxyphenyl)propionic acid

Lot No.: NP031080



1073

DETE	3,4-MPPA.aks
COMNT	3,4-MPPA 1H NMR
DATIM	Tue Jan 11 19:23:31
ORNUC	1H
EXMDO	NON
OBFRQ	399.65 MHz
ORSET	124.00 KHz
ORFTN	10500.00 Hz
POINT	65536
FREOU	7992.01 Hz
SCANS	8
ACQTM	8.2002 sec
PD	3.0000 sec
PV1	5.60 usec
IRNUC	1H
CTEMP	23.5 c
SLVNT	CDCL3
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	14





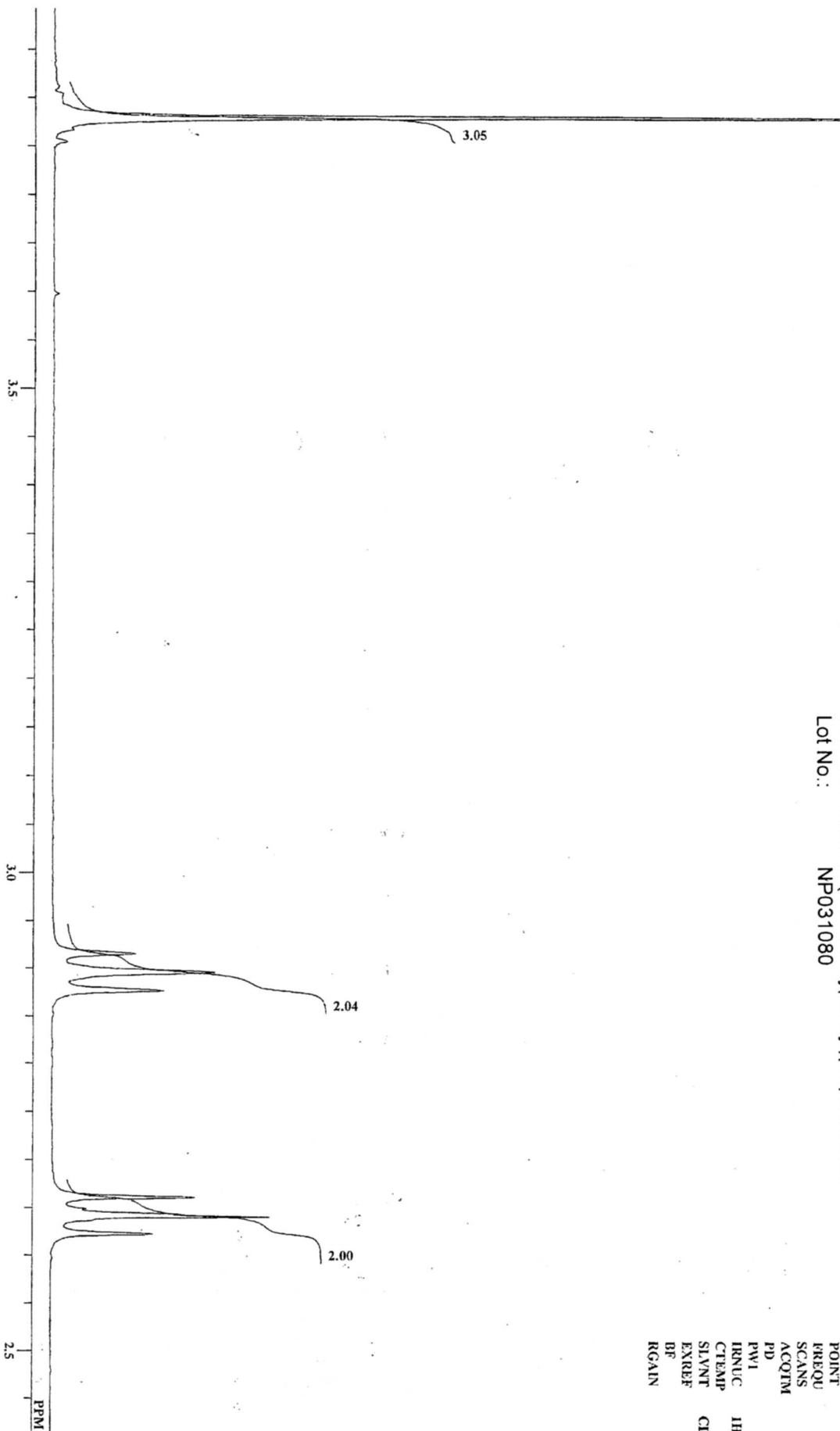
INDOFINE Chemical Company, Inc.
 121 STRYKER LANE
 BLDG. 30, SUITE 1
 HILLSBOROUGH, NJ 08844

3,4-MPPA IH NMR CDC13

2 of 3

Cat. No.: 01-1180
 Product name: 3-(4-Methoxyphenyl)propionic acid
 Lot No.: NP031080

DR1E	3,4-MPPA.s
COMNT	3,4-MPPA IH NMR
DATEM	Tue Jan 11 19:23:31
OBNUC	IH
EXMOD	NON
OBFRQ	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	65536
EREDU	7992.01 Hz
SCANS	8
ACQTM	8.2002 sec
PD	3.0000 sec
PV1	5.60 usec
IRNUC	IH
CTEMP	23.5 c
SLVNT	CDC13
EXREF	0.00 ppm
DF	0.30 Hz
RGAIN	14





INDOFINE Chemical Company, Inc.
 121 STRYKER LANE
 BLDG. 30, SUITE 1
 HILLSBOROUGH, NJ 08844

3,4-MPPA 1H NMR CDCl3

Cat. No.: 01-1180

Product name: 3-(4-Methoxyphenyl)propionic acid

Lot No.: NP031080

3063

DHILE 3,4-MPPA:abs
 CONNT 3,4-MPPA 1H NMR
 DATIM Tue Jan 11 19:23:30
 ORNUC 1H
 EXMOD NON
 OBRFQ 399.65 MHz
 OBSRT 124.00 kHz
 ORFIN 10500.00 Hz
 POINT 65536
 FREOU 7992.01 Hz
 SCANS 8
 ACQTM 8.2002 sec
 PD 3.0000 sec
 PVI 5.60 usec
 IRNUC 1H
 CTEMP 23.5 c
 SLVNT CDCl3
 EXREF 0.00 ppm
 BF 0.30 Hz
 RGAIN 14

