



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

CERTIFICATE OF ANALYSIS

Catalog Number: 04-1580

Product Name: **Z-GLYCINE**

CAS Number: [1138-80-3]

Lot Number: 1410513

Chemical Formula: C₁₀H₁₁NO₄

Molecular Weight: 209.20

Melting Point: 118-120°C

Appearance: White powder

Moisture(KF): 0.2%

Loss on drying: 0.11%

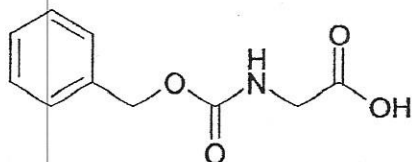
Solubility: Soluble in methanol

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Assay by titration: 98.91%

Purity(HPLC): 99.14%





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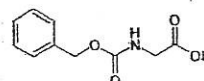
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HPLC ANALYSIS

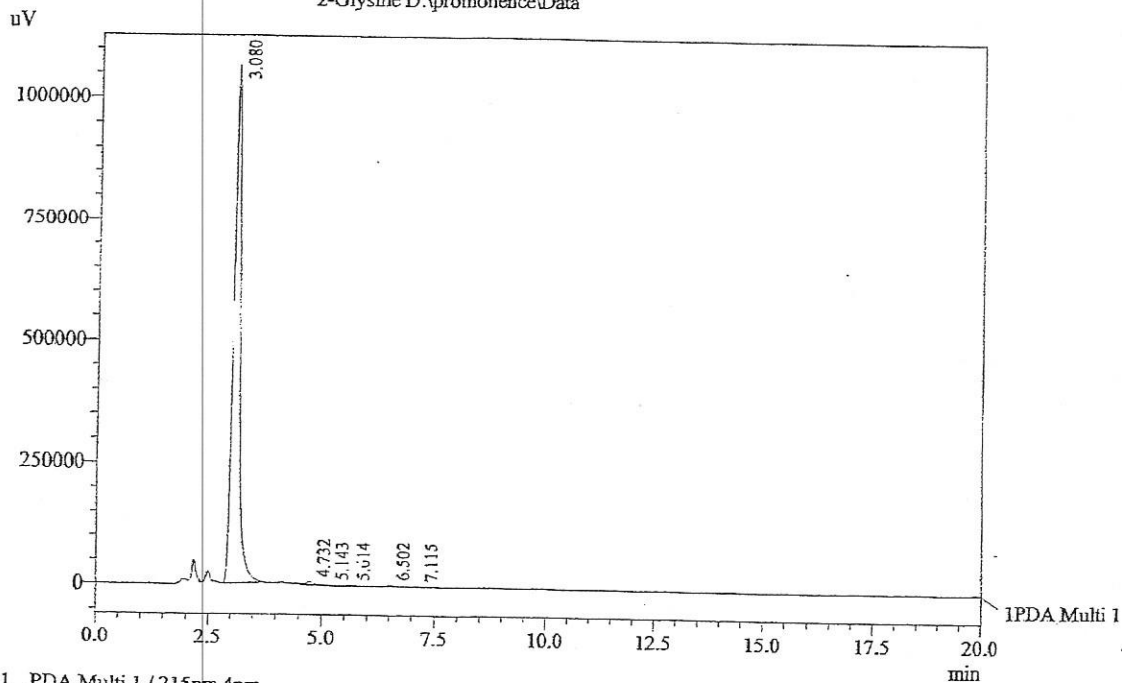
Acquired by : Sanjeev
 Sample Name : z-Glycine
 Sample ID : BBML (Unit-II)
 Injection Volume : 20 uL
 Data Filename : 200414G.lcd
 Method Filename : Linear Isocratic.M.lcm

Catalog No.: 04-1580
 Product Name: Z-Glycine
 Lot No.: 1410513



Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)
 Flow : 1.000 mL/min.
 Mobile Phase : A(30% of 0.05% TFA in water) B(70% of Acetonitrile)

Chromatogram
 z-Glycine D:\promonence\Data



1 PDA Multi 1 / 215nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	z-Glycine	3.080	11662034	99.14	1.00
2	RT:4.732	4.732	47761	0.41	1.54
3	RT:5.143	5.143	4388	0.04	1.67
4	RT:5.614	5.614	11763	0.10	1.82
5	RT:6.502	6.502	27434	0.23	2.11
6	RT:7.115	7.115	9511	0.08	2.31
Total			11762892	100.00	



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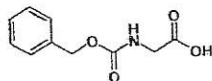
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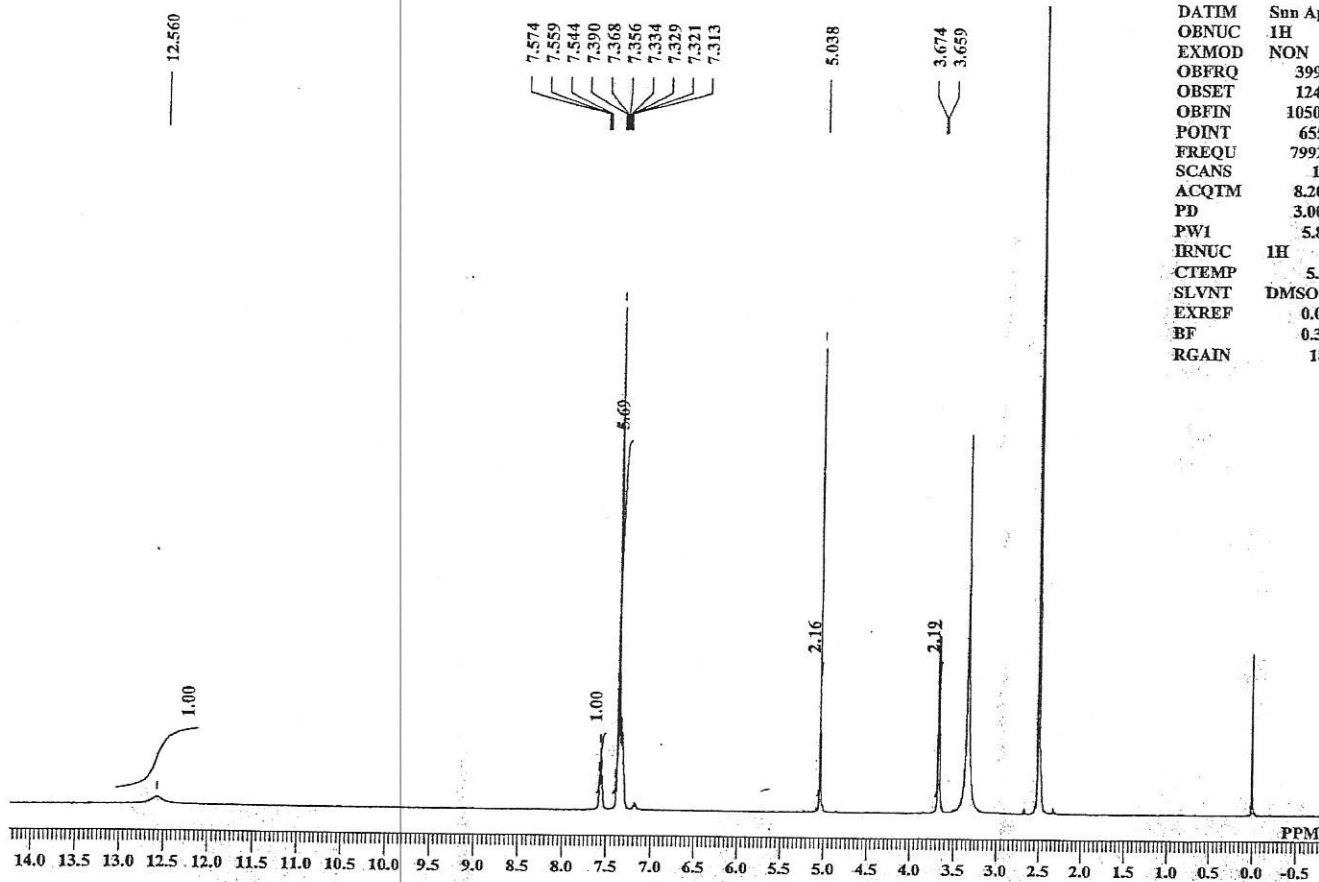
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Catalog No.: 04-1580
Product Name: Z-Glycine
Lot No.: 1410513



Z-GLYSINE 1H NMR DMSO-d6
Analysed By : MSR

DFILE	Z-GLYSINE 1H.lsl
COMNT	Z-GLYSINE 1H NMR DMSO
DATIM	Snn Apr 20 17:14:18 2014
OBNUC	1H
EXMOD	NON
OBFRQ	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	65536
FREQU	7992.01 Hz
SCANS	16
ACQTM	8.2002 sec
PD	3.0000 sec
PW1	5.80 usec
IRNUC	1H
CTEMP	5.0 c
SLVNT	DMSO
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	18





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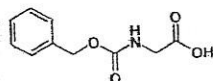
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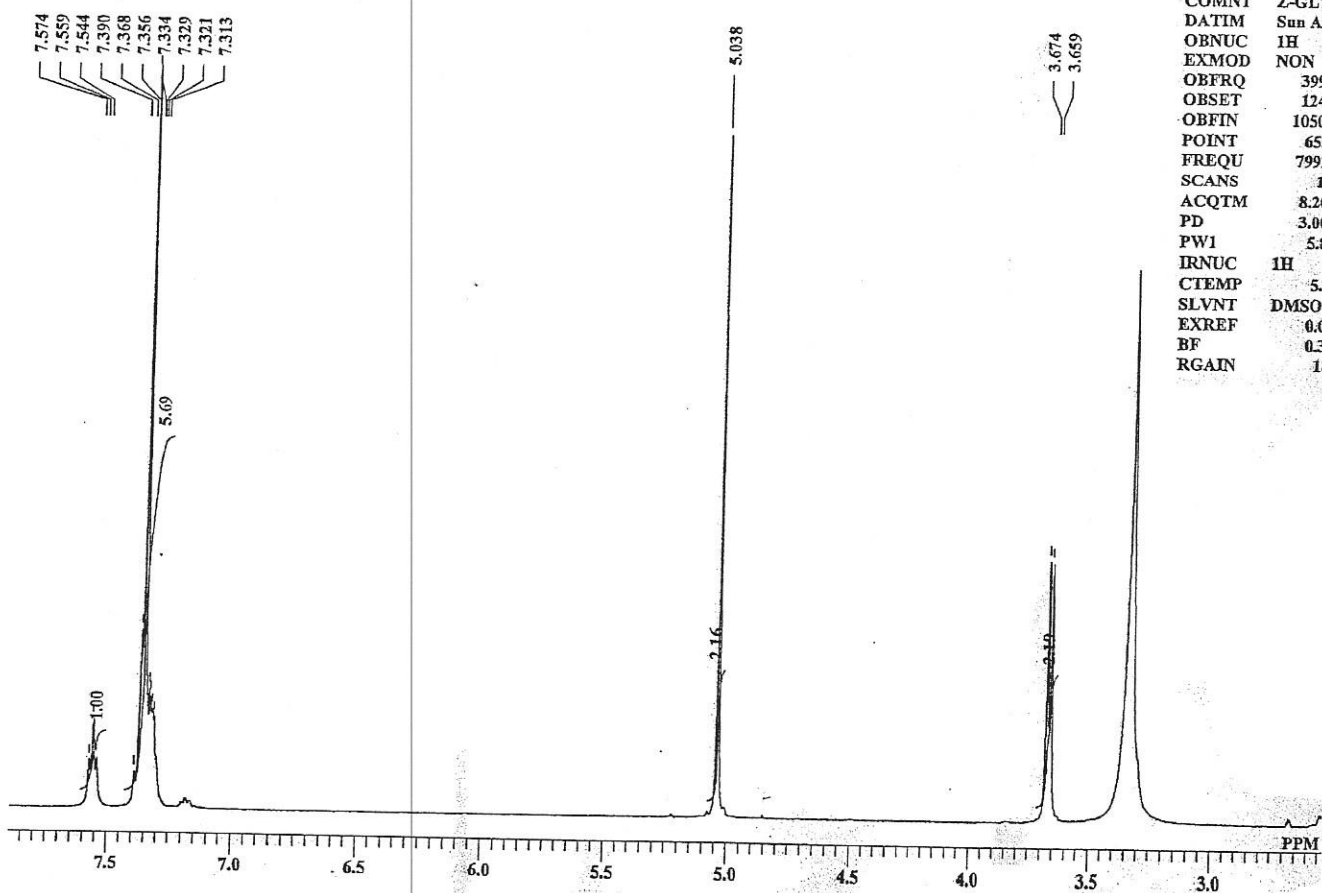
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Catalog No.: 04-1580
Product Name: Z-Glycine
Lot No.: 1410513



Z-GLYCINE 1H NMR DMSO-d6

Analysed By: MSR



DFILE	Z-GLYCINE 1H.als
COMNT	Z-GLYCINE 1H NMR DMSO
DATIM	Sun Apr 20 17:14:18 2014
OBNUC	1H
EXMOD	NON
OBFRQ	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	65536
FREQU	7992.01 Hz
SCANS	16
ACQTM	8.2002 sec
PD	3.0000 sec
PW1	5.80 usec
IRNUC	1H
CTEMP	5.0 c
SLVNT	DMSO
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	18