



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

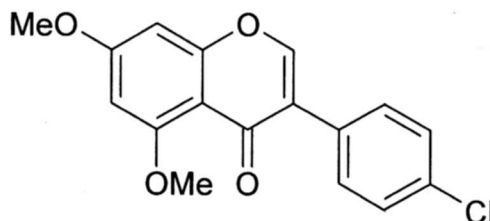
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Cat. No.: 19-586

<u>Product:</u>	4'-CHLORO-5,7-DIMETHOXYISOFLAVONE
<u>Lot No.:</u>	0303034
<u>Molecular Formula:</u>	C ₁₇ H ₁₃ ClO ₄
<u>Molecular Weight:</u>	316.74
<u>Melting Point:</u>	189.2-191.8°C
<u>Appearance:</u>	Off White shining powder
<u>Solubility:</u>	Soluble in Chloroform
<u>NMR Spectrum:</u>	Enclosed
<u>IR Spectrum:</u>	Enclosed
<u>Purity(HPLC):</u>	99.2%





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HPLC ANALYSIS

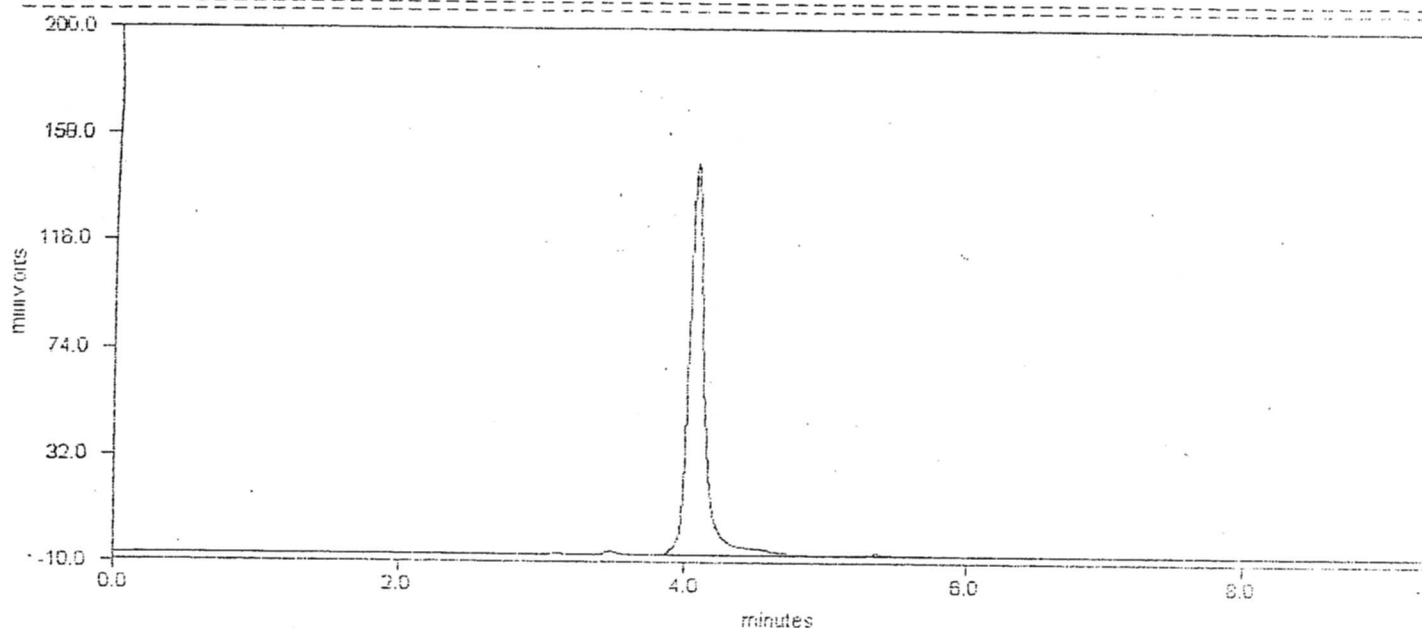
Catalog no.: 19-586

Product name: 4'-Chloro-5,7-dimethoxyisoflavone

Lot No.: 0303034

DELTA CHROMATOGRAPHY DATA SYSTEM

STRIPCHART PLOT FOR CHROMATOGRAM -- c:\deltaw\data\np-1118.raw



DELTA CHROMATOGRAPHY DATA SYSTEM

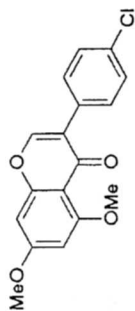
LISTING PEAK TABLE FOR CHROMATOGRAM - c:\deltaw\data\np-1118.raw.RAW

#	Type Name	Ret.Time	Area(uVSec)	Height(mV)	Area Percent
1	PM	4.06	1197321	153.9	99.2
2	VE	5.35	9136	0.9	0.8



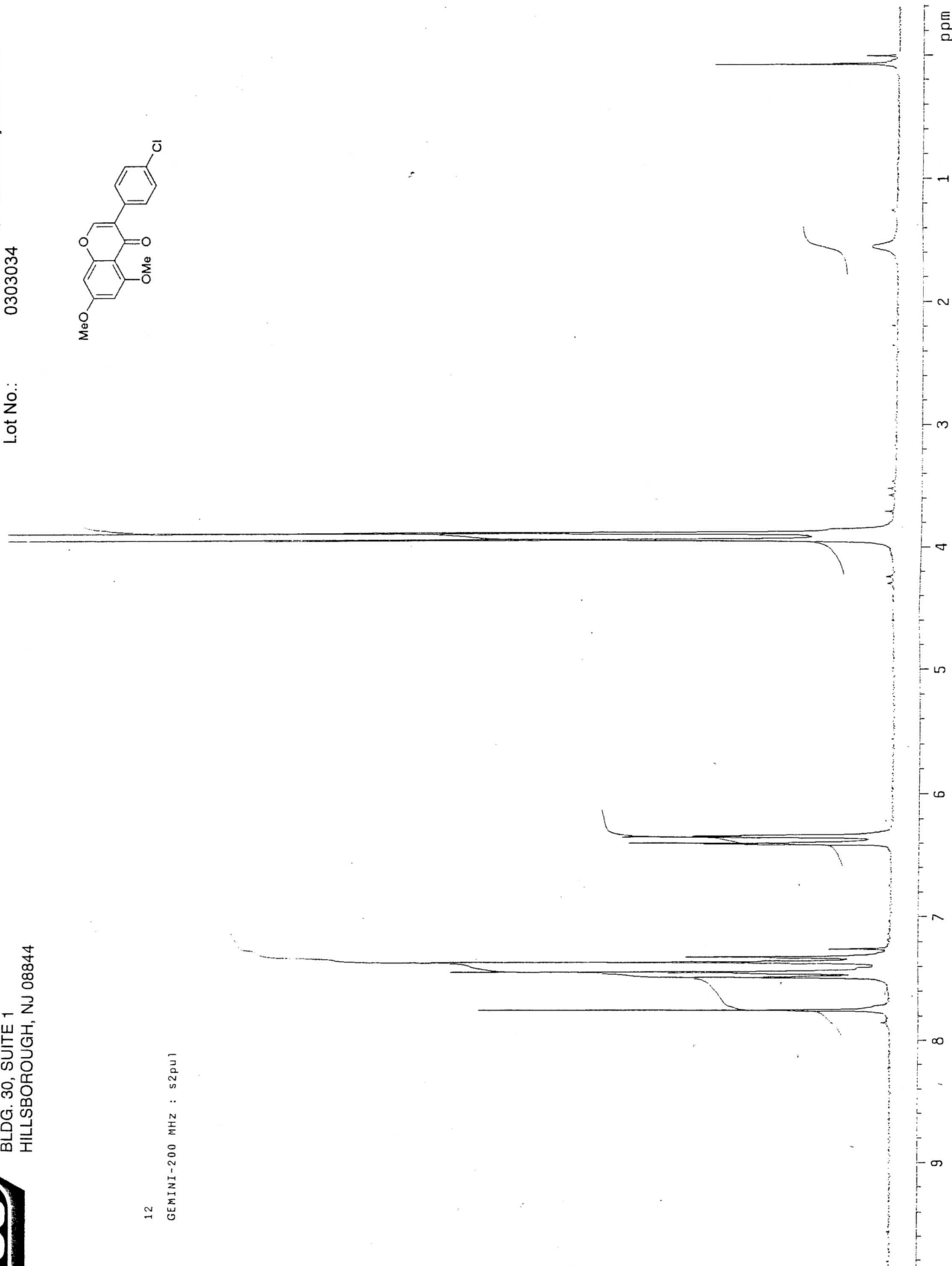
INDOFINE Chemical Company, Inc.
121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

Catalog no.: 19-586
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12

GEMINI-200 MHz : s2pu1





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121 STRYKER LANE

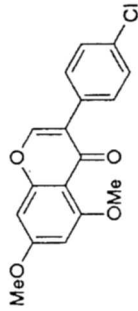
BLDG. 30, SUITE 1

HILLSBOROUGH, NJ 08844

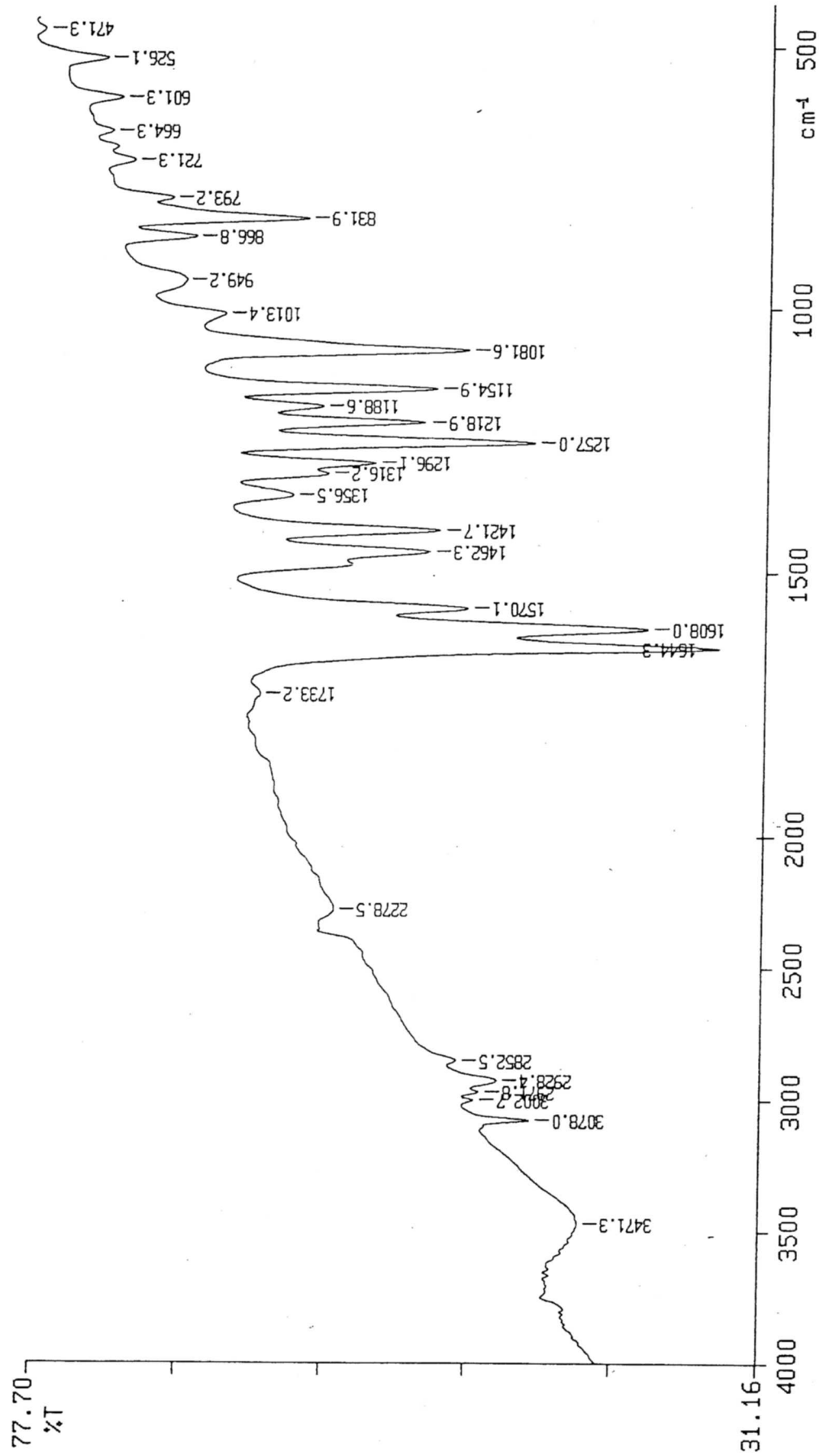
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PERKIN ELMER



Z: 1 scan, 16.0cm-1