

(19)
(12)

(KR)
(A)

(51) 。 Int. Cl. 7
C08G 77/46

(11)
(43)

2003-0041498
2003 05 27

(21) 10-2001-0072311
(22) 2001 11 20

(71) () 4가 158

(72) 901-505

6가 237-37

502-302

725 109-1403

1 217-151 6-111

(74)

:

(54)

() Si-H

가 . , , , , 가 ,

6

1 2 NMR .

2	3	NMR	.
3	5	NMR	.
4	7	NMR	.
5	9	NMR	.
6	13	NMR	.
7	3	IR	.
8	5	IR	.
9	7	IR	.
10	9	IR	.
11	13	IR	.

Si-H 가
가

가
ic Press, New York, 1968)

(W. Noll, Chemistry and Technology of Silicones : Academ
(Hydrosilylation)

1947

가 L. H. Sommer

HSi

Cl₃ 1-
가 가

가

, 1957

(H₂PtCl₆ · nH₂O)
J. L. Speier 가

가

Si-H

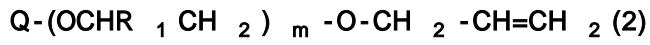
C)

(Si-OR)

(HO-

가
{Pt(CH₂=CHMe₂Si)₂O}
가

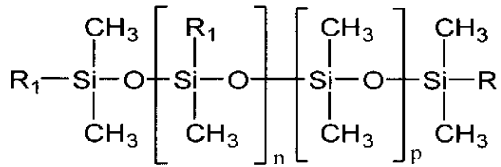
(1)



(R₁, X, Q, m) 25

가 Si-H

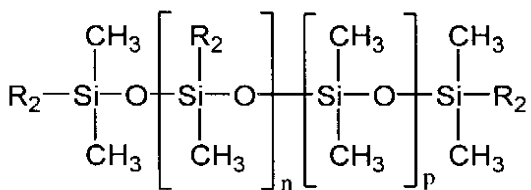
Si-H (3)



(R₁, n, p) 25 10 60

(3) Si-H Si-H Si-H

(2) (3) (4)



(R₂, {-(CH₂-CH₂-(OCHR₁CH₂)_m-O-Q}) n, p) 25 10 60

(4)

0.1 50%

10 2

1

50ml

			(MW=1,000 3,000)		50g
1g	1				
0.5g		5			
()			
2					
1			(NMR
1)		
3					
1	(MW=1,000) 5g	((MW=1,000) 5g	, -
			{Pt(CH ₂ =CHMe ₂ Si ₂ O}	0.1g	90 8
		NMR	,	IR	7 -
4					
3	(MW=3,000) 5g	((MW=3,000) 5g	, -
			0.1g		-
5					
3	(MW=1,000) 3g	-	((MW=1,000) 6g
			0.1g		, -
		NMR		3	, IR 8
6					
3	(MW=3,000) 6g	-	((MW=1,000) 2g
			0.1g		, -
7					
3	(MW=1,000) 5g	((MW=1,000) 5g	, -
			0.1g		-
		NMR		4	, IR 9
8					
3	(MW=3,000) 6g	((MW=1,000) 2g	, -
			0.1g		-
9					
3	(MW=1,000) 6g	-	((MW=1,000) 3g
			0.1g		, -
		NMR		5	-
10					

3 (MW=3,000) 5g (MW=3,000) 5g , -
 IR 0.1g 9 . -

11

3 (MW=1,000) 4g (MW=1,000) 6g
 0.1g

12

3 (MW=3,000) 4g (MW=3,000) 6g
 0.1g

13

3 (MW=1,000) 0.25g (MW=1,000) 5g
 0.1g
 IR 11 NMR 6 .

14

3 (MW=3,000) 2g (MW=3,000) 6g
 0.1g

1

가 1000Mℓ 5g 20
 0.5% 가 200Mℓ 10%

1

3	8,450	3.3
4	9,500	3.3
5	1,600	1.9
6	3,500	1.9
7	1,600	2.0
8	3,700	2.0
9	3,900	2.3
10	6,500	2.9
11	10,600	3.7
12	11,100	3.9
13	3,900	2.7

14	4,600	2.9
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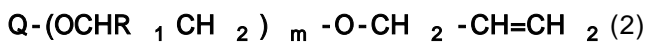
(4)

, 가 , 가 . , , , , ,

(57)

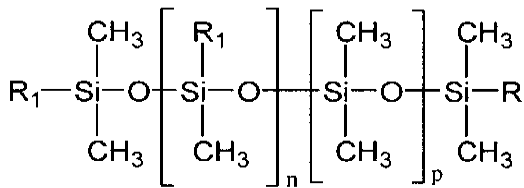
1.

(2)



(, R₁ , Q , m 25 5 45)

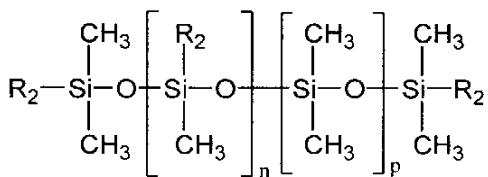
() (3)



(, R₁ , n, p 25 10 60)

Si-H

(4)

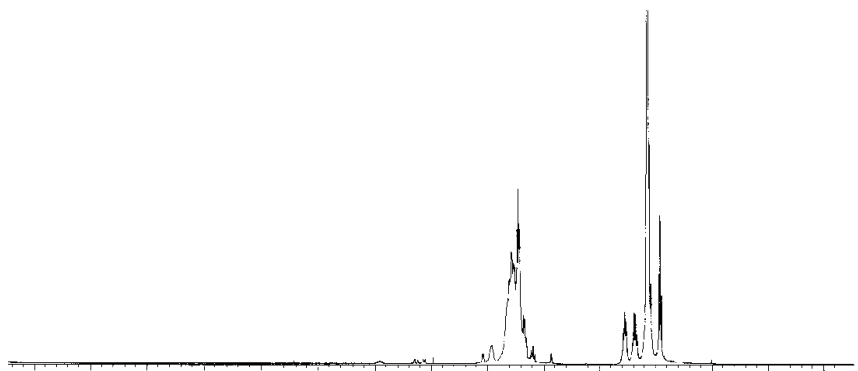


(, R₂) {-(CH₂-CH₂-(OCHR₁CH₂)_m-O-Q} , n, p 25 10 60

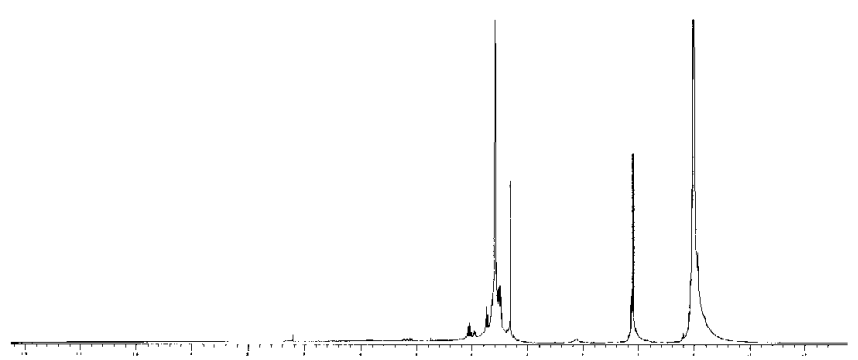
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1 , 가 .

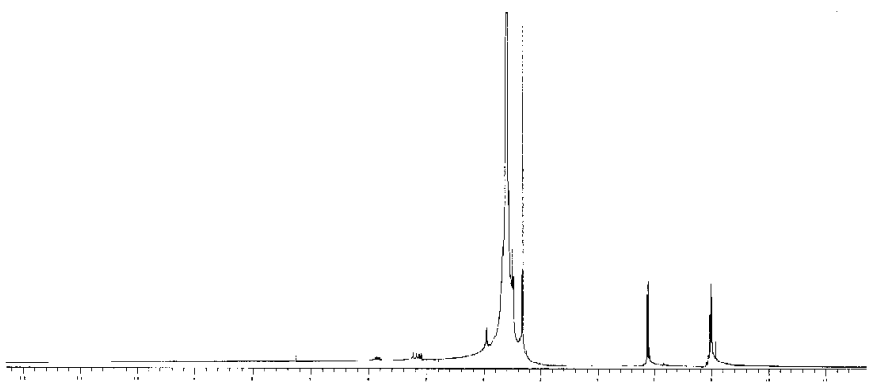
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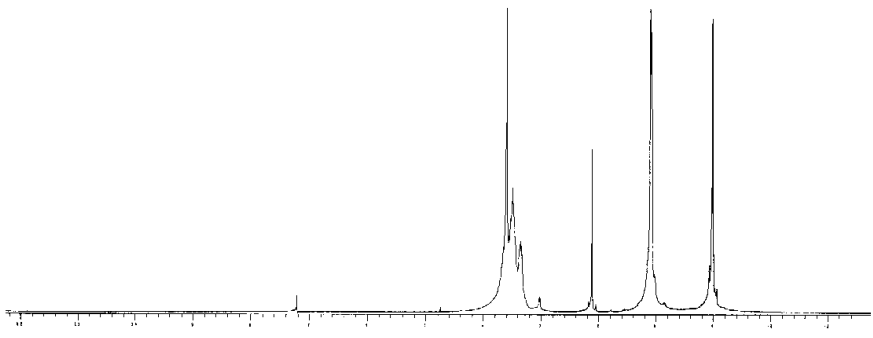
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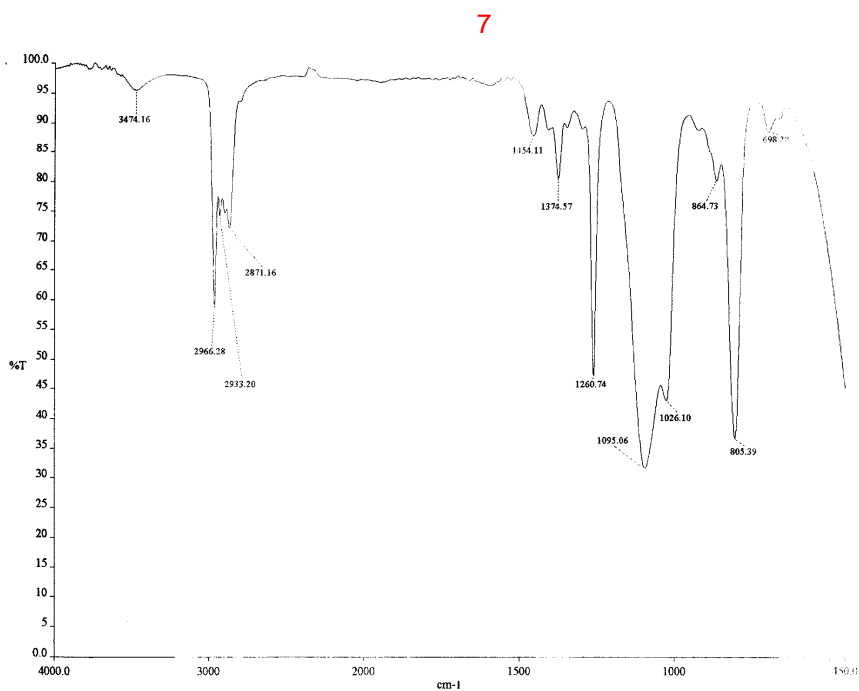
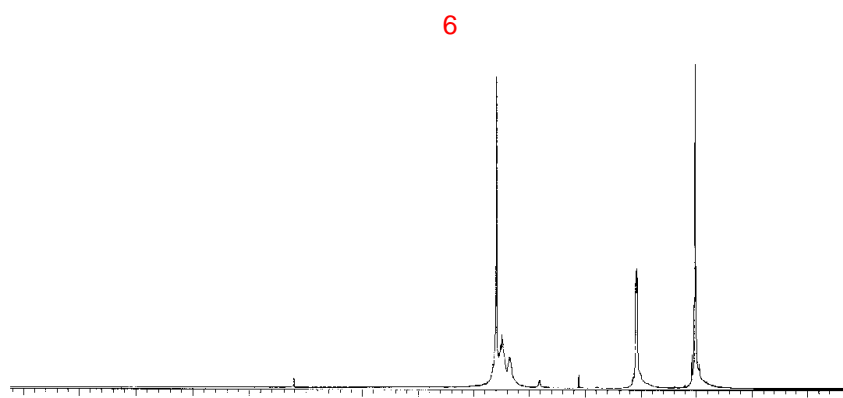
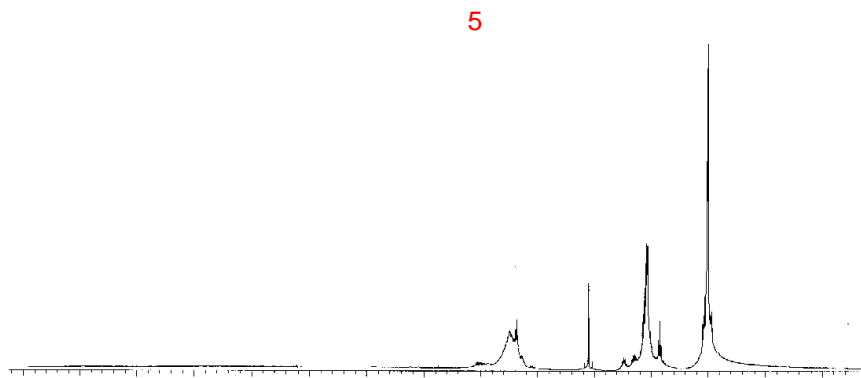


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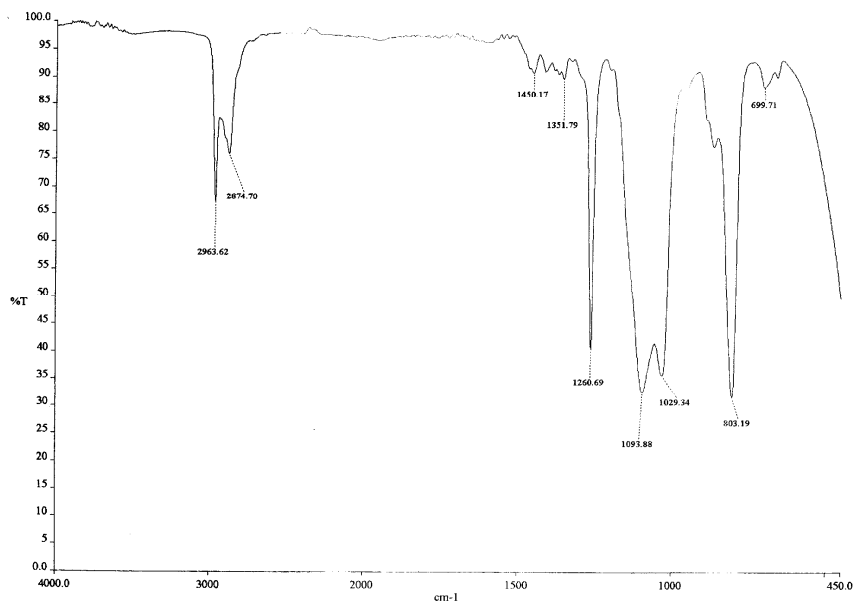


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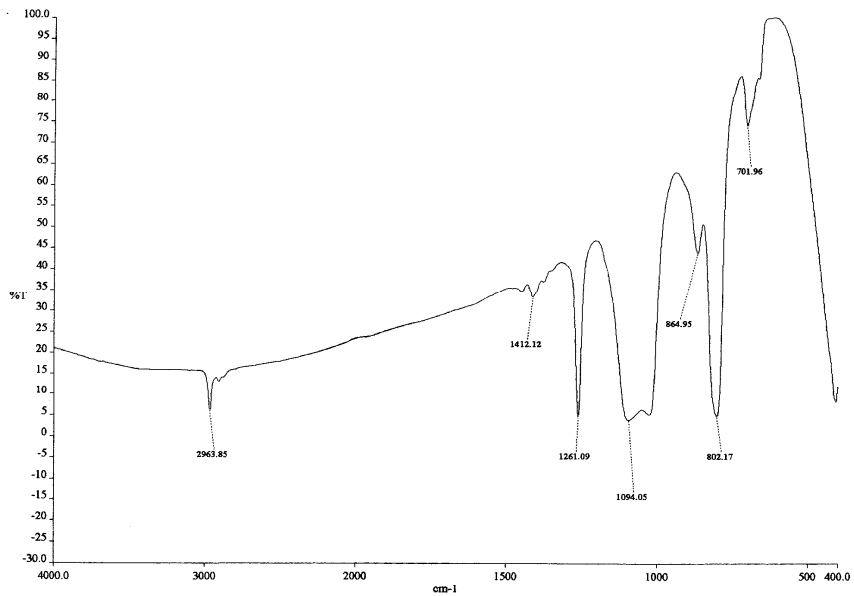




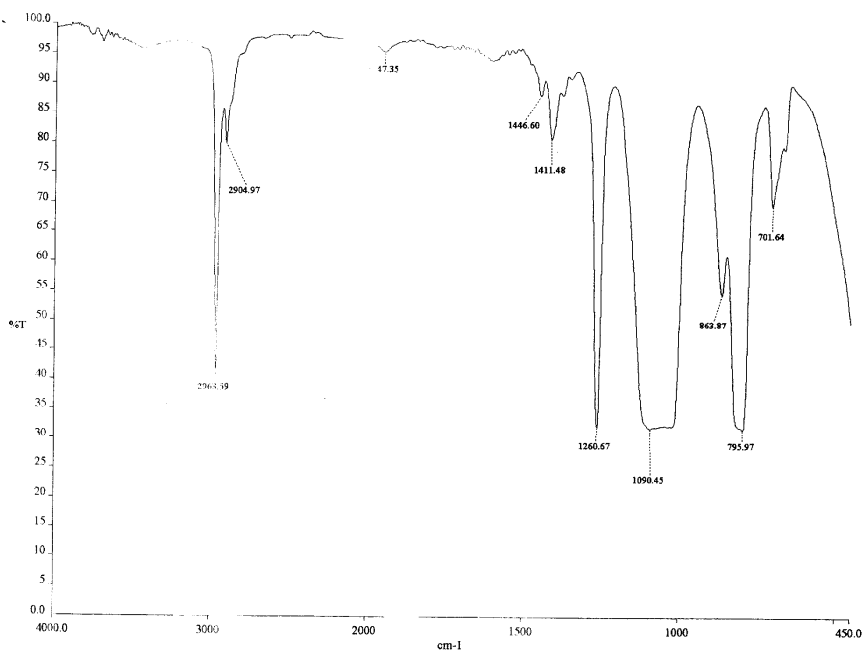
8



9



10



11

