

(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)

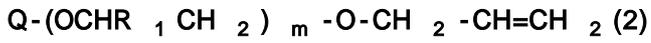
(Si-OR)

(HO-

가
{Pt(CH₂=CHMe₂Si)₂O}
가

(1)

(2) ()

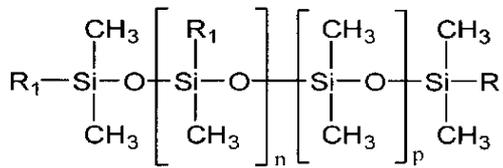


(, R₁) , X , Q , m 25
5 45)

()

가 Si-H

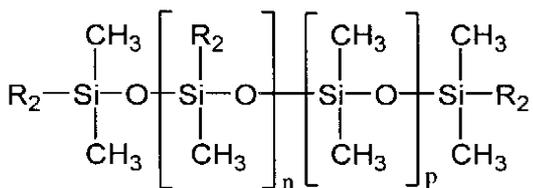
Si-H (3)



(, 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)

(2) (3)

0.1 50% , 10 2

1

50ml

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

3 (MW=3,000) 5g (MW=3,000) 5g 0.1g IR 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 NMR 6

IR 11

14

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

1

가 1000Mℓ 5g 20 200Mℓ 10%

0.5% 가

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
----	-------	-----

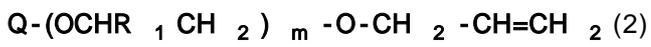
(4)

, 가 , 가 . , , , ,

(57)

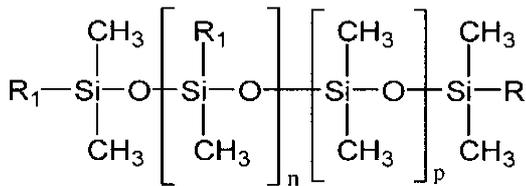
1.

(2)



(, R₁ , Q , m 25 5 45)

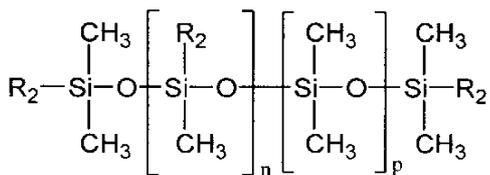
() (3)



(, R₁ , n, p 25 10 60)

Si-H

(4)

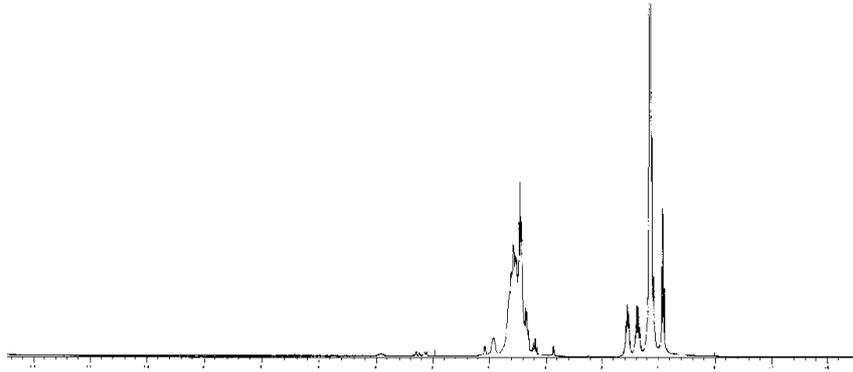


(, R₂) {-(CH₂-CH₂-(OCHR₁CH₂)_m-O-Q} , n, p 25 10 60

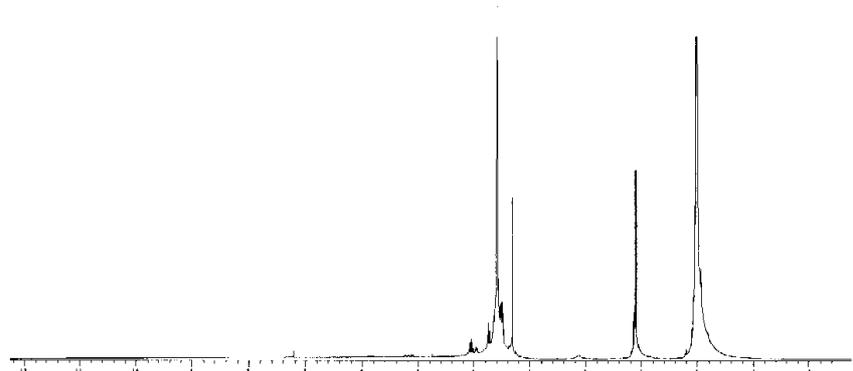
2.

1 , 가 .

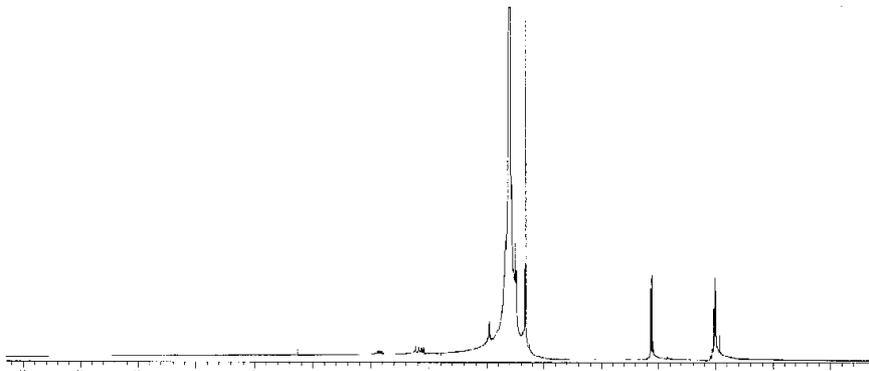
1



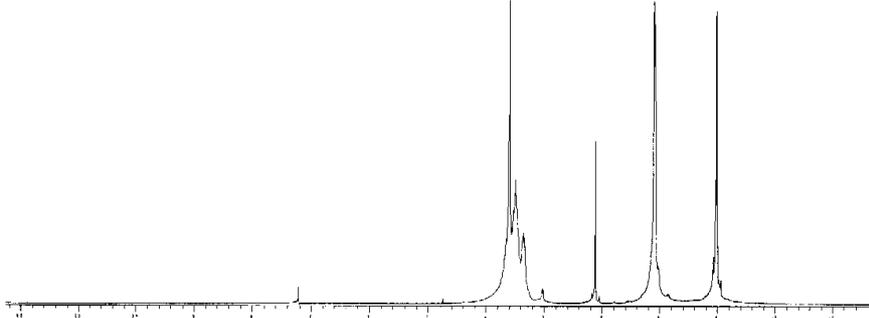
2

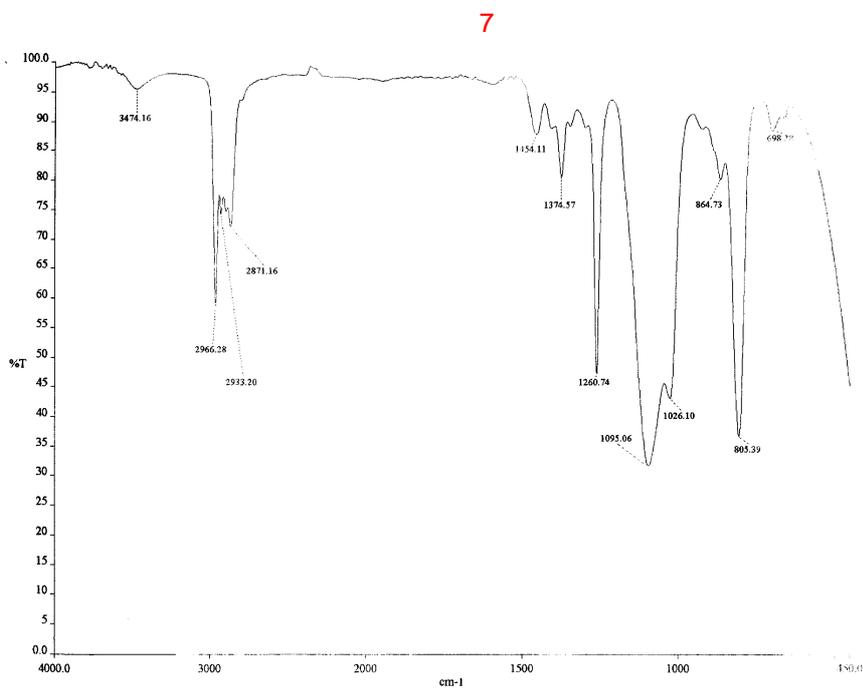
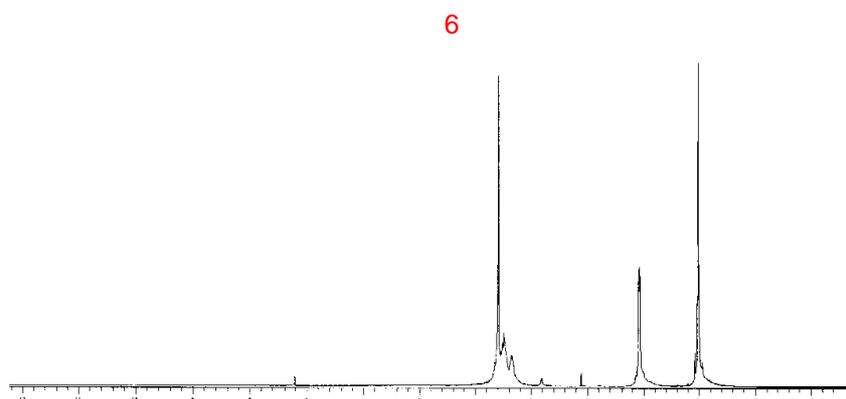
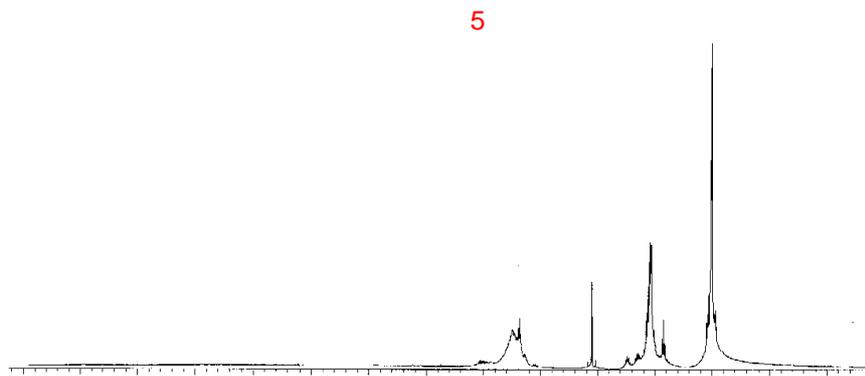


3

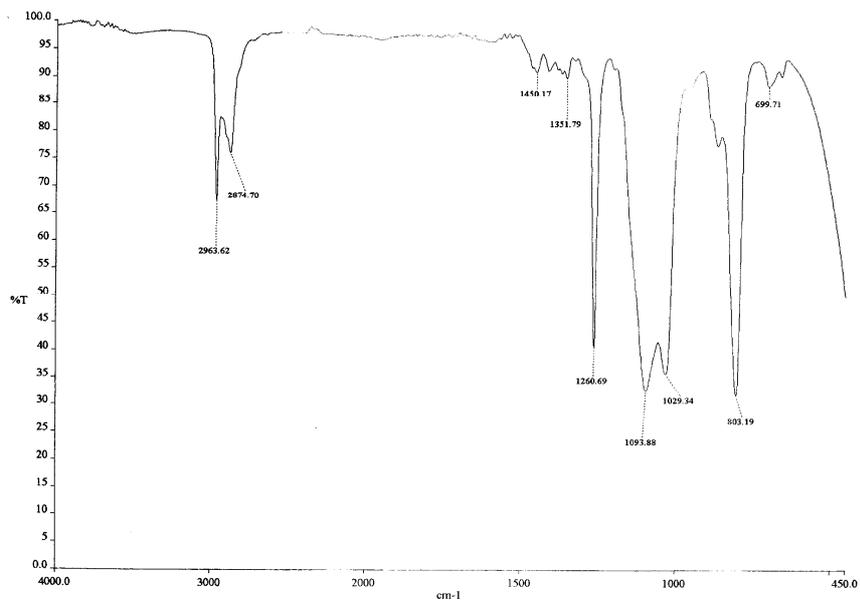


4

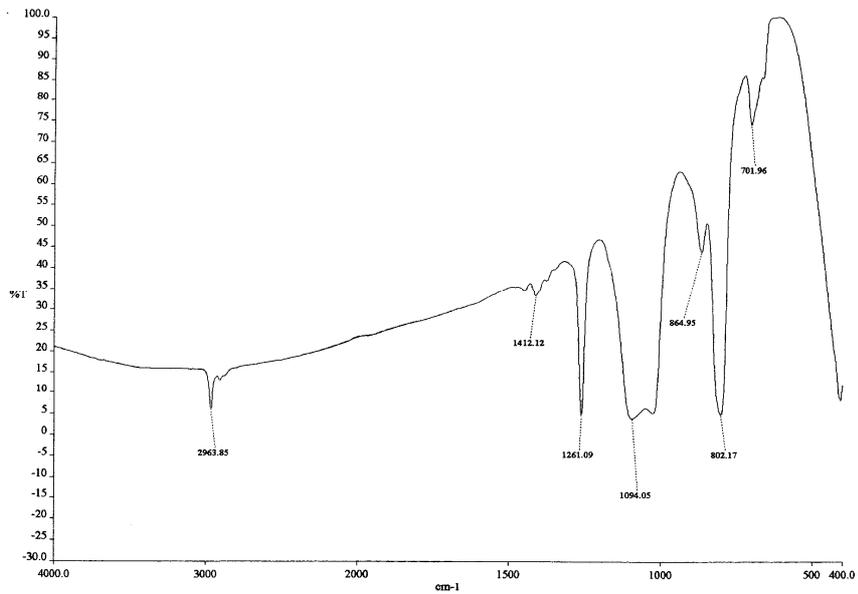




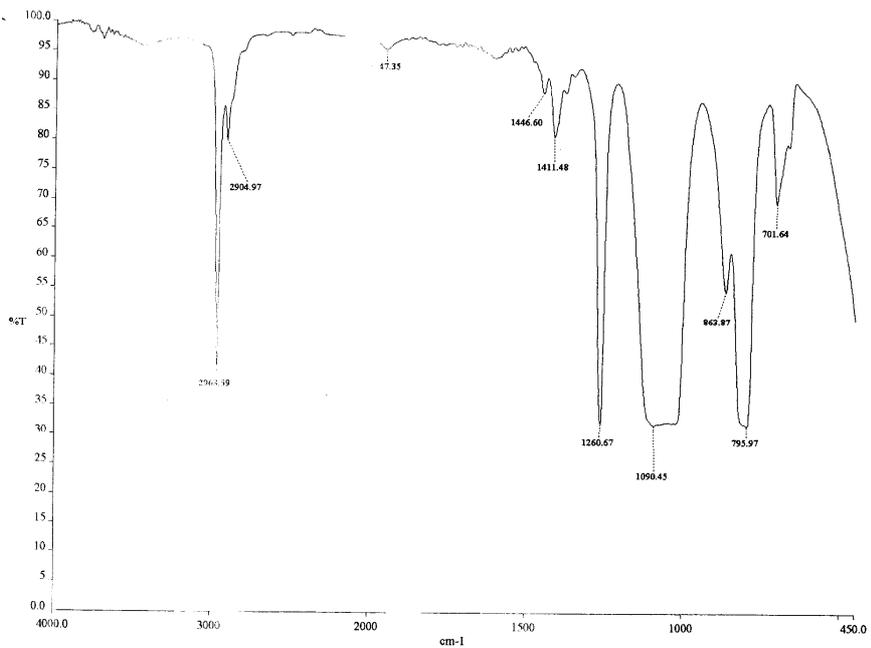
8



9



10



11

