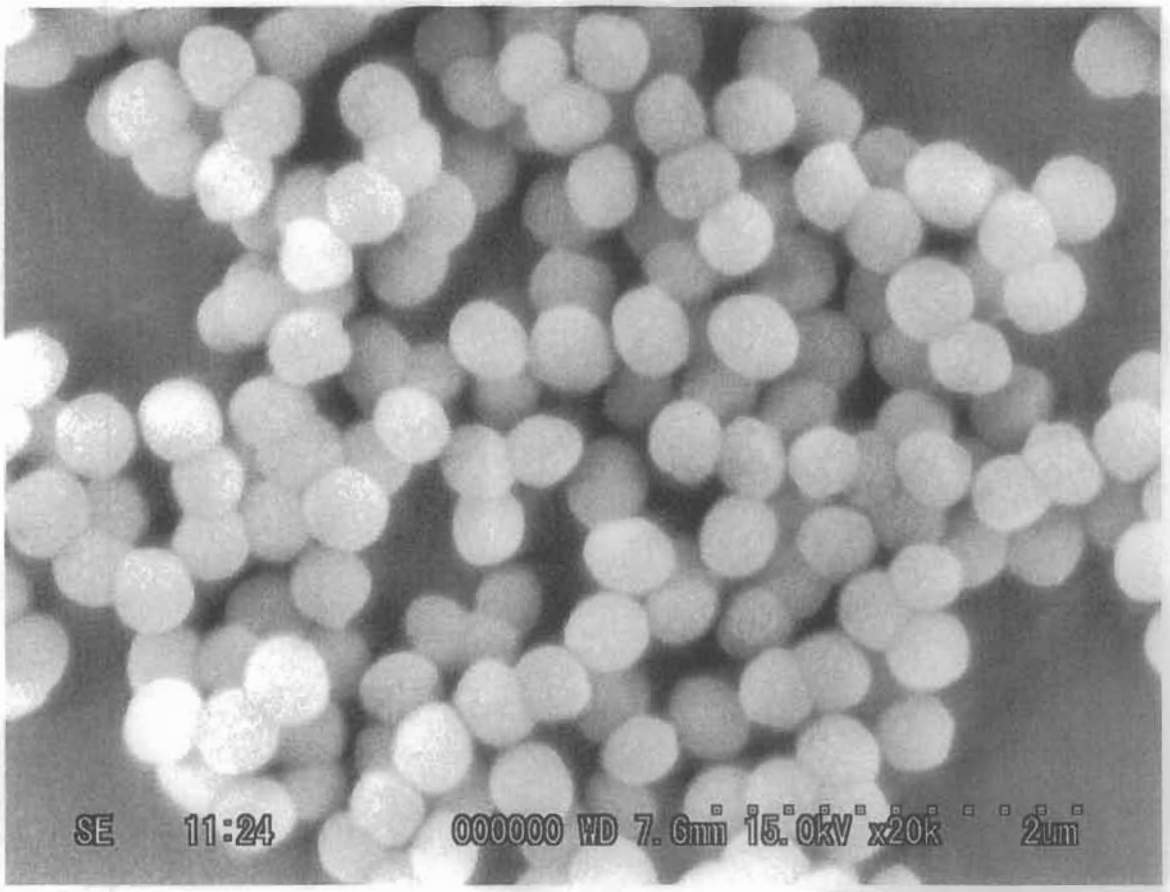

SE 11:24 000000 WD 7.6mm 15.0kV x20k 2um
2um

FIG. -1

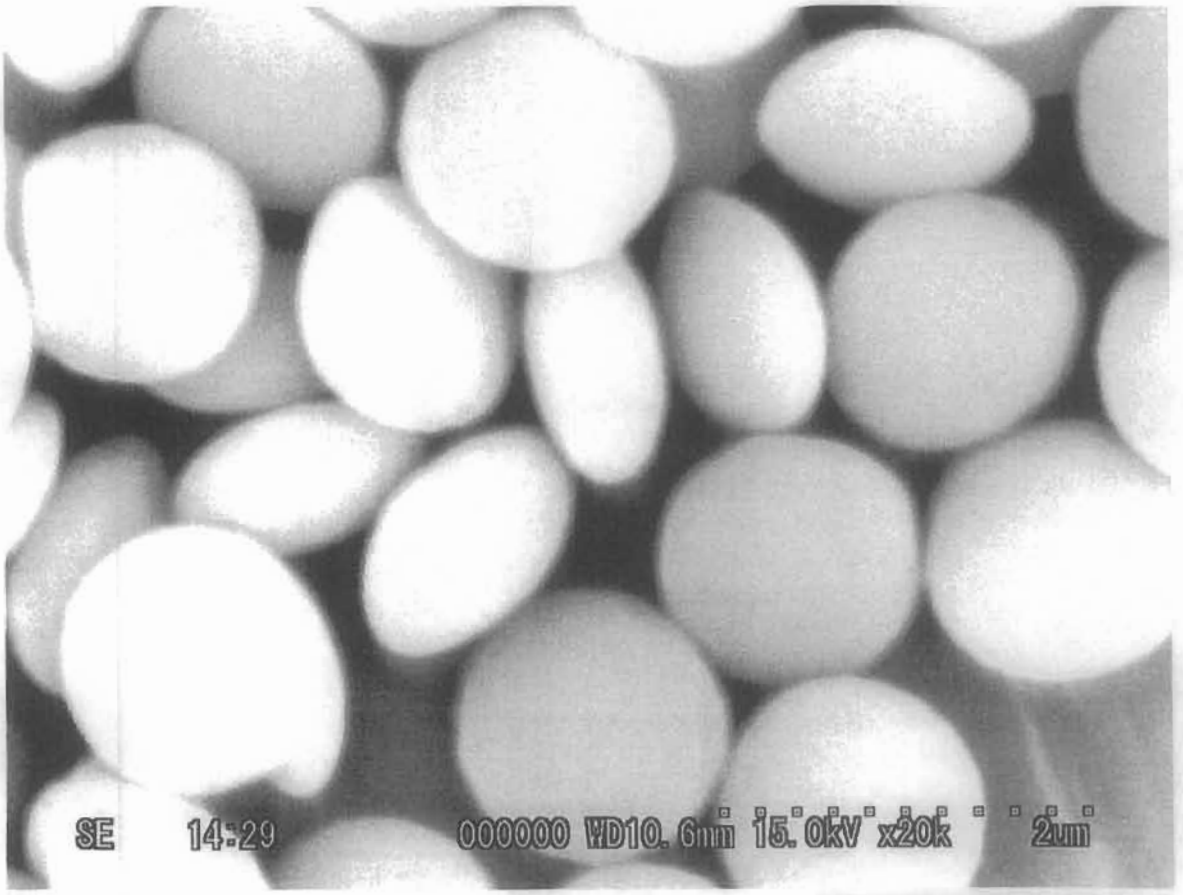

SE 14:29 000000 WD10.6mm 15.0kV x20k 2um
2um

FIG. -2


SE 13:06 000000 WD10.4mm 15.0kV x20k 2um
2um

FIG.-3


SE 11:59 000000 WD10.8mm 15.0kV x10k 5um
5um

FIG.-4

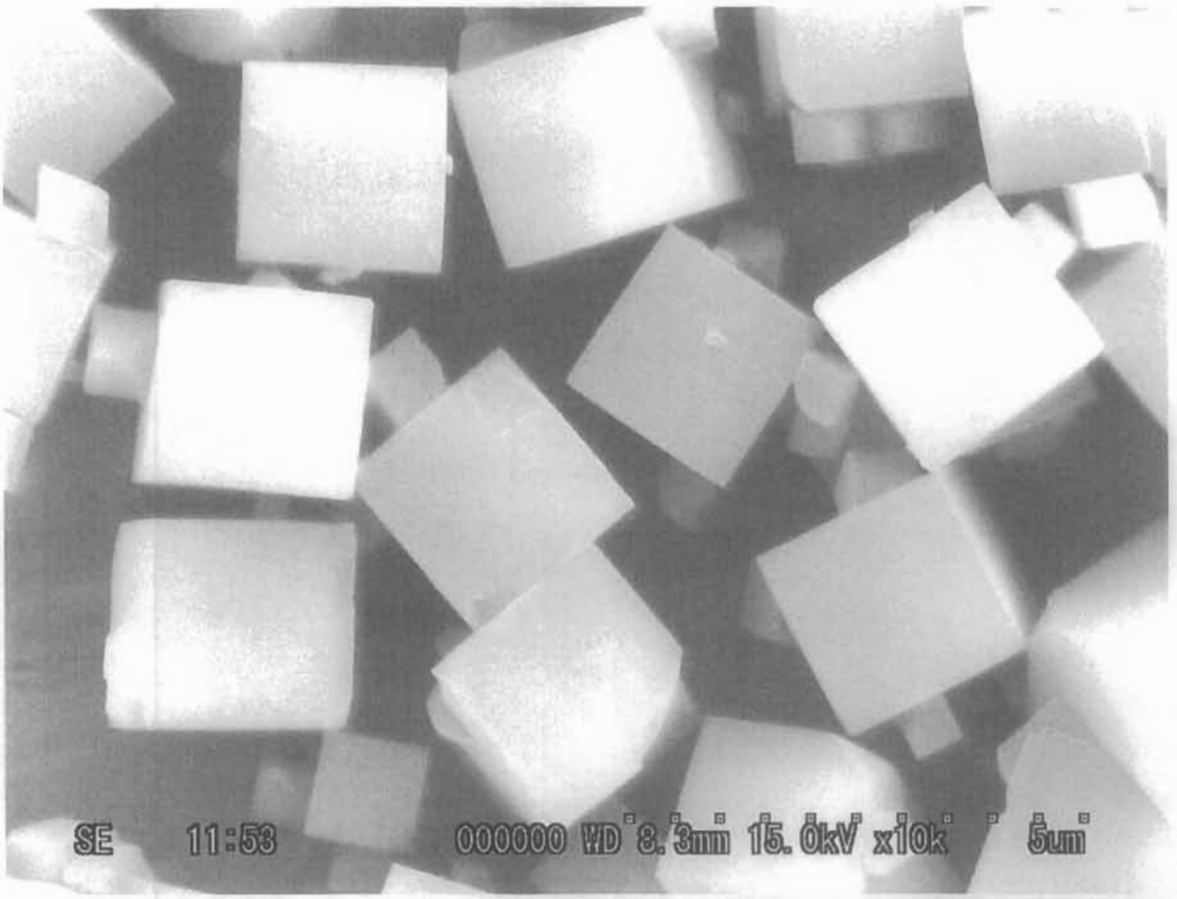

SE 11:53 000000 WD 8.3mm 15.0kV x10k 5um
5um

FIG. -5

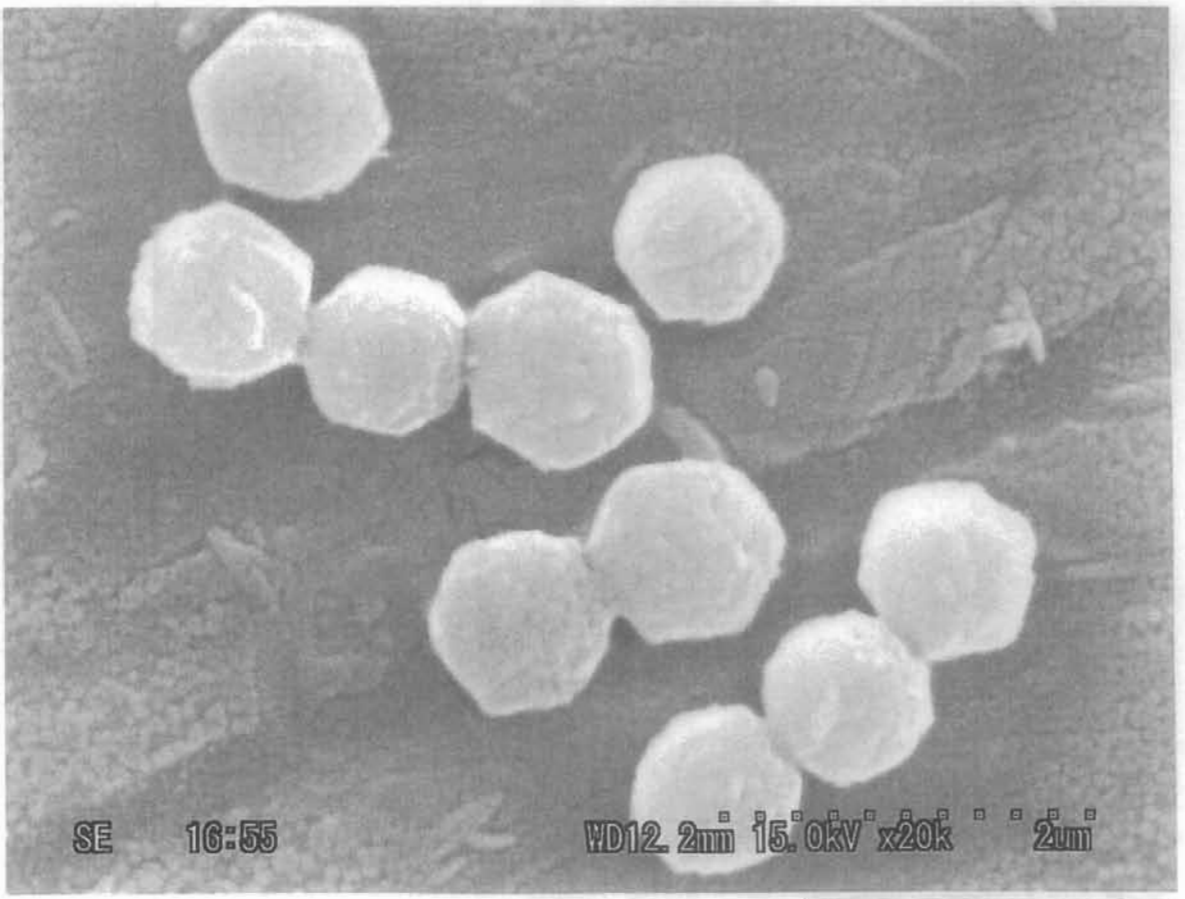

SE 16:55 WD12.2mm 15.0kV x20k 2um
2um

FIG. -6


SE 15:19
WD12.1mm 15.0kV x20k 2um
2um

FIG.-7

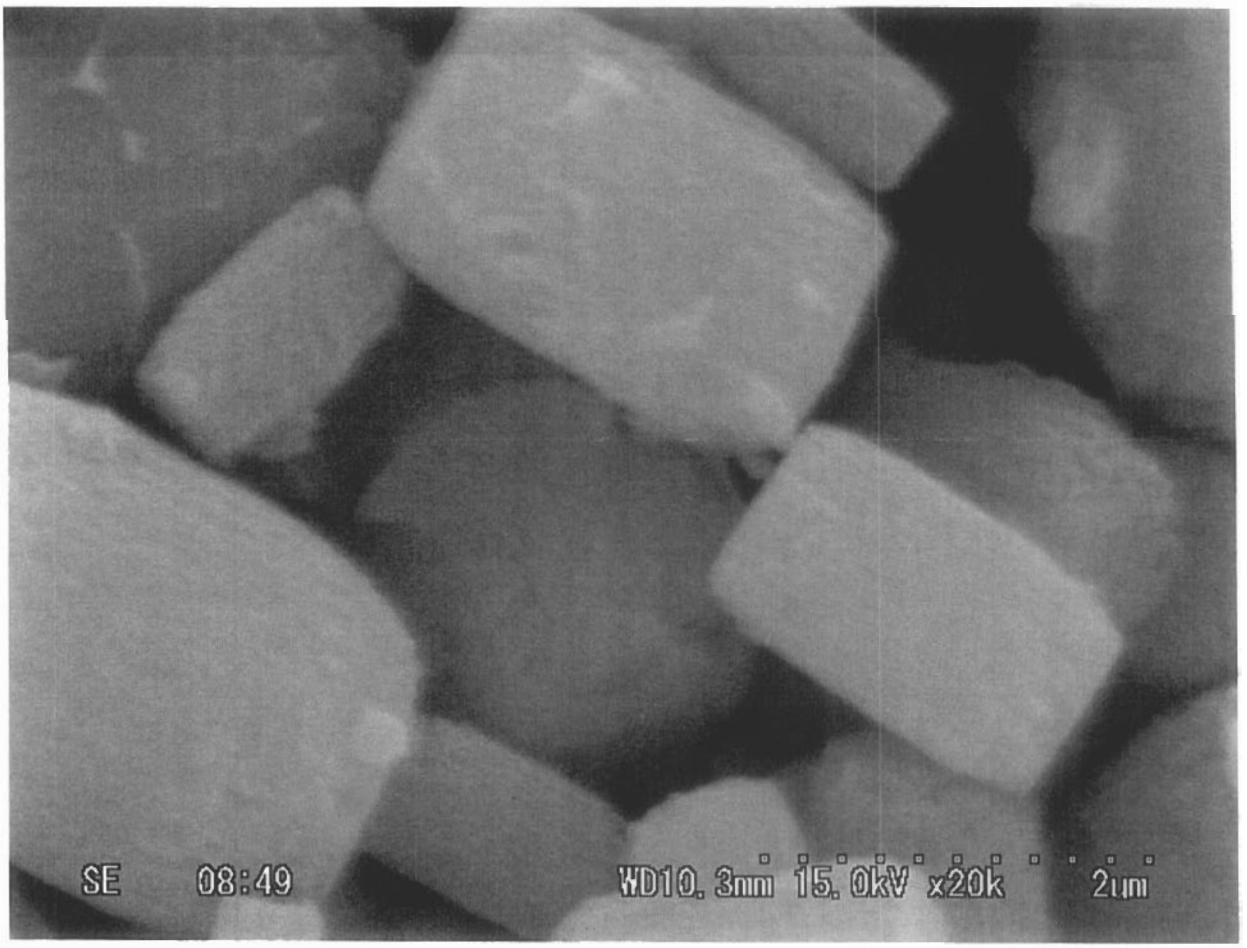

SE 08:49
WD10.3mm 15.0kV x20k 2um
2um

FIG. -8

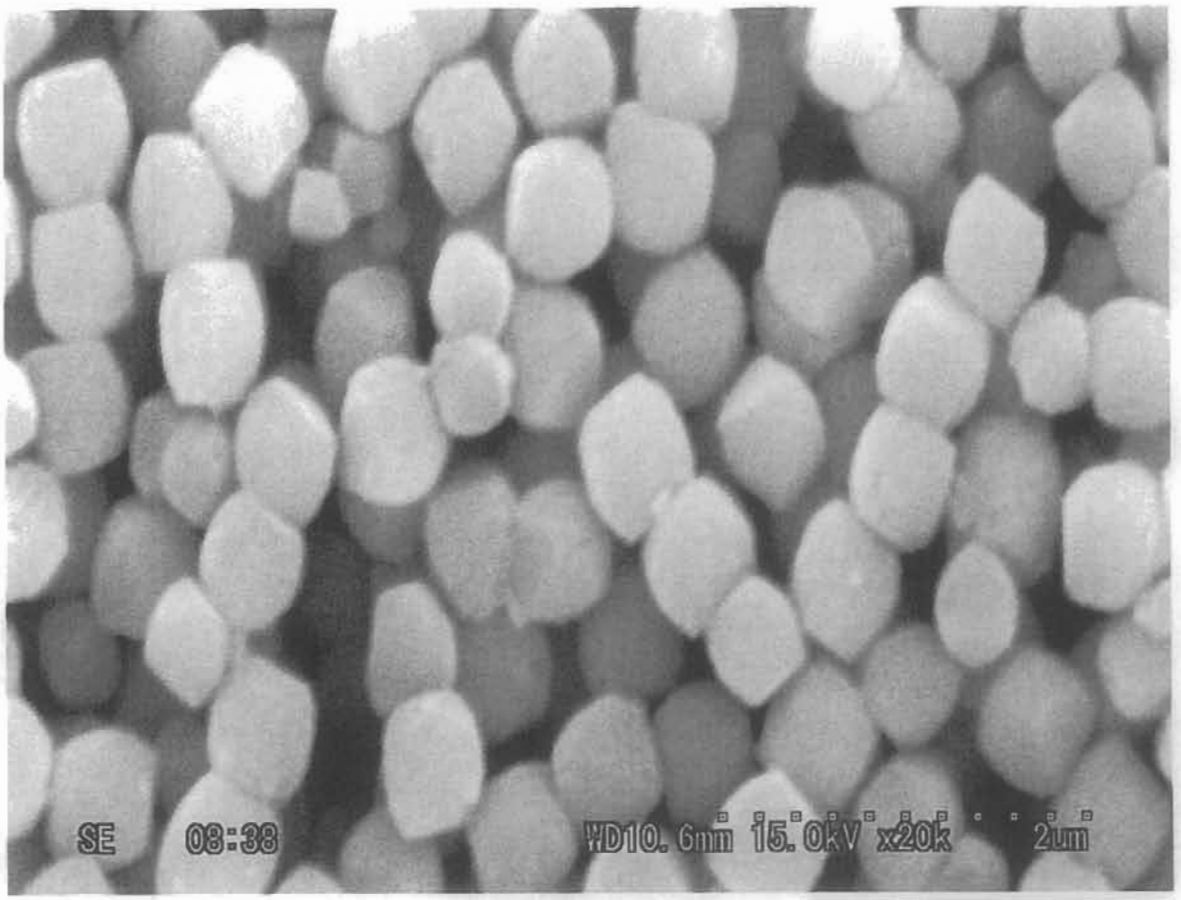

SE 08:38
WD10.6mm 15.0kV x20k 2um
2um

FIG.-9

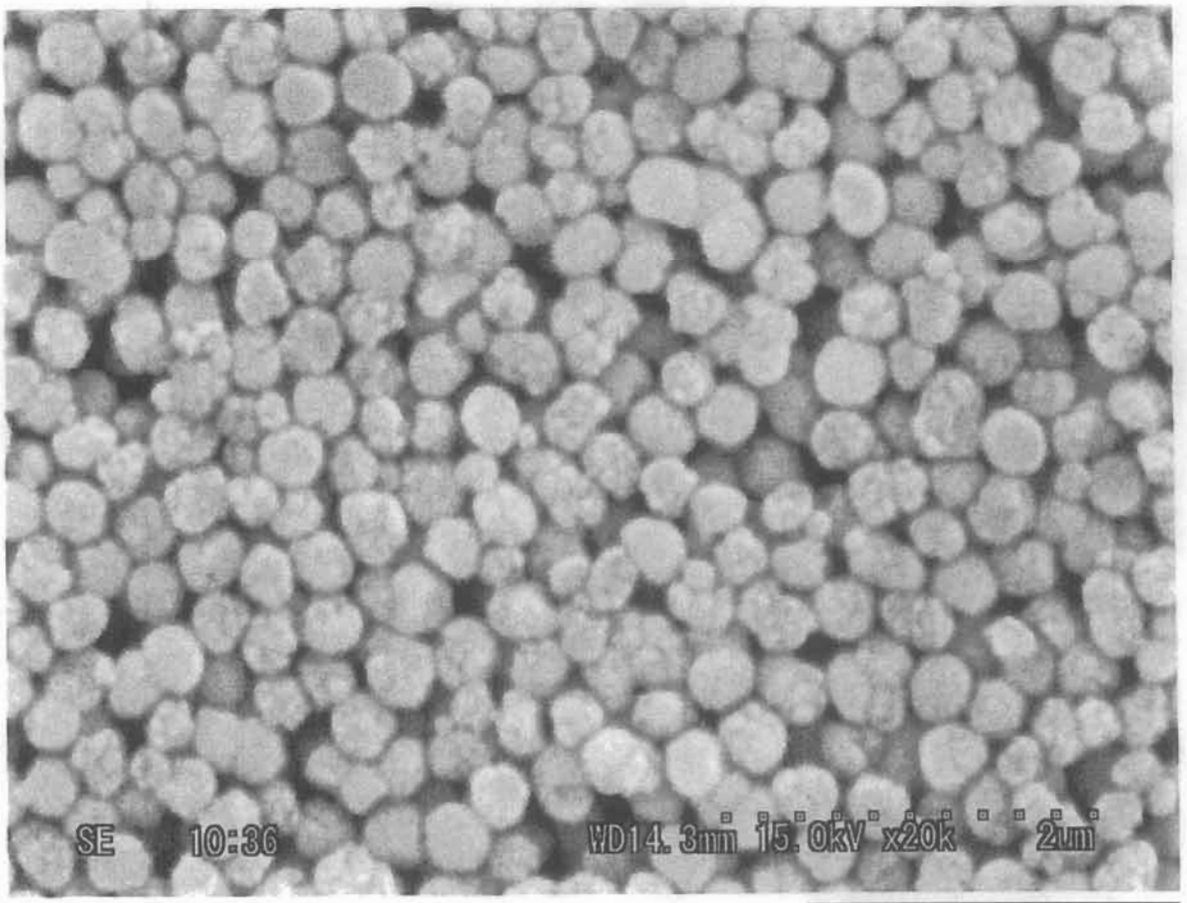

SE 10:36
WD14.3mm 15.0kV x20k 2um
2um

FIG.-10

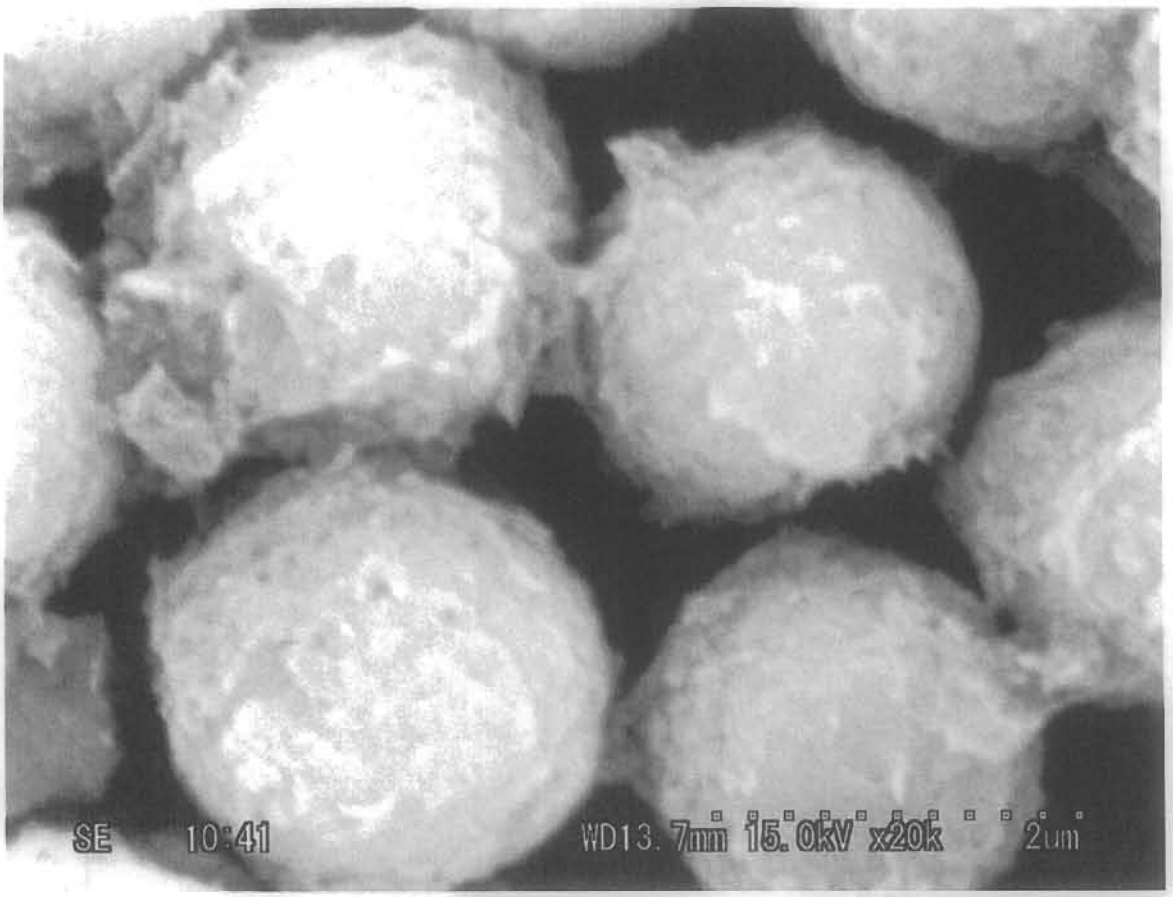


FIG.-11

Fig. 12

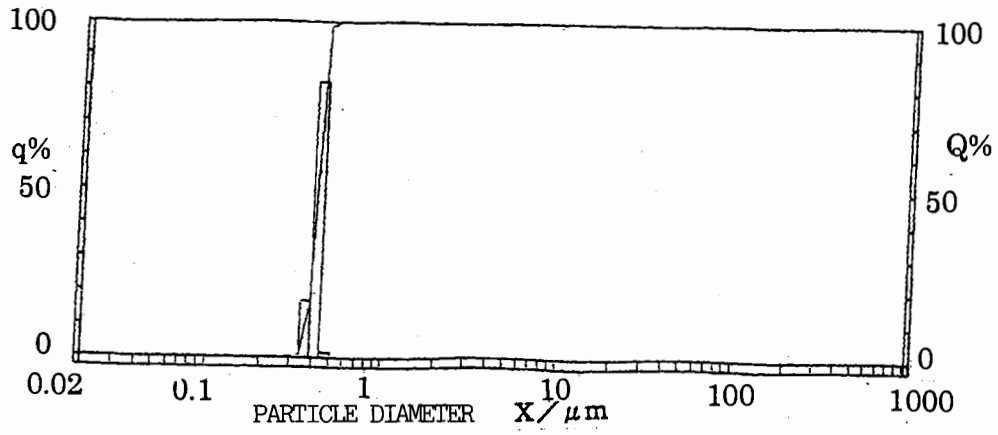


Fig. 13

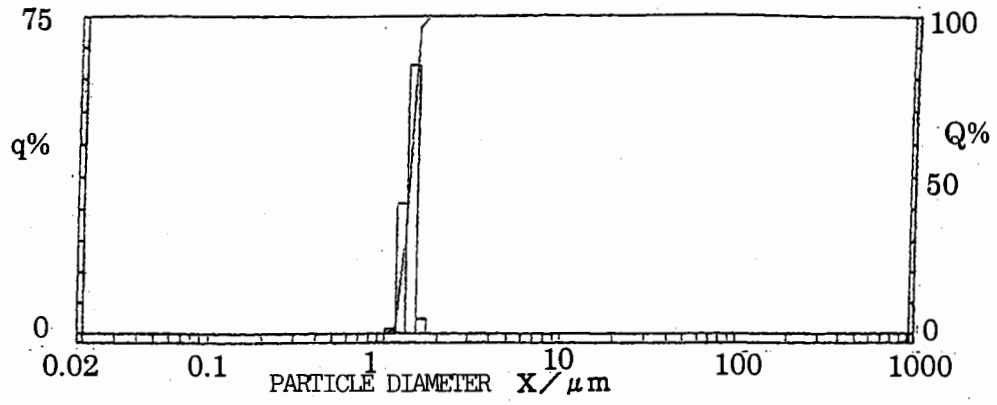


Fig. 14

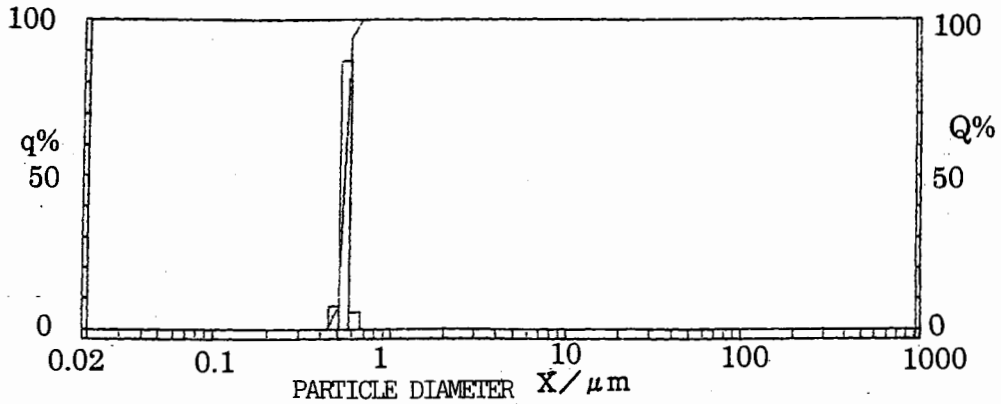


Fig. 15

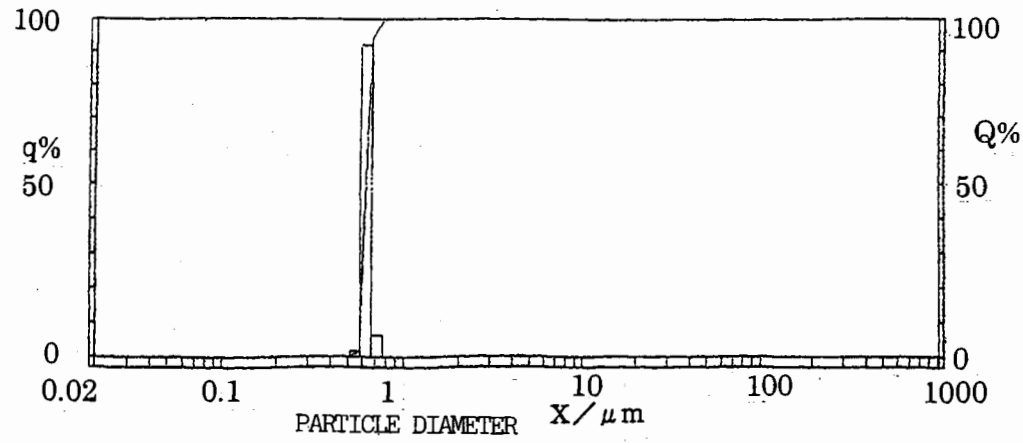


Fig. 16

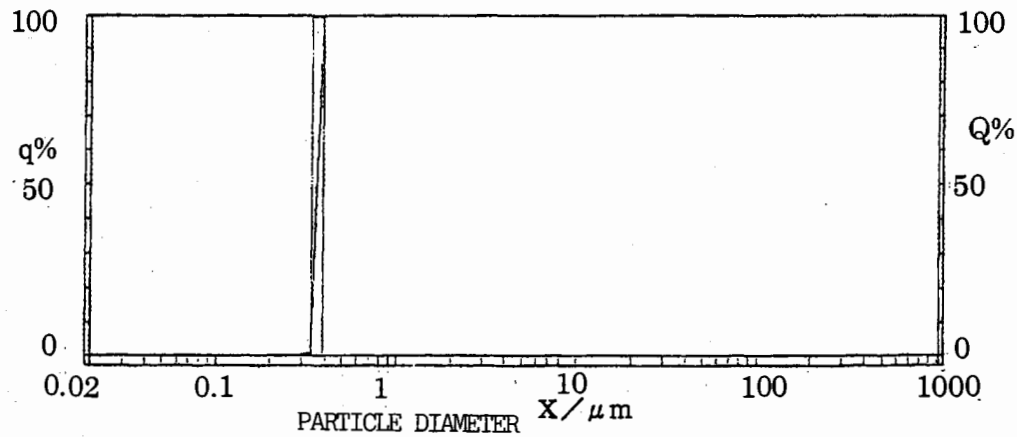


Fig. 17

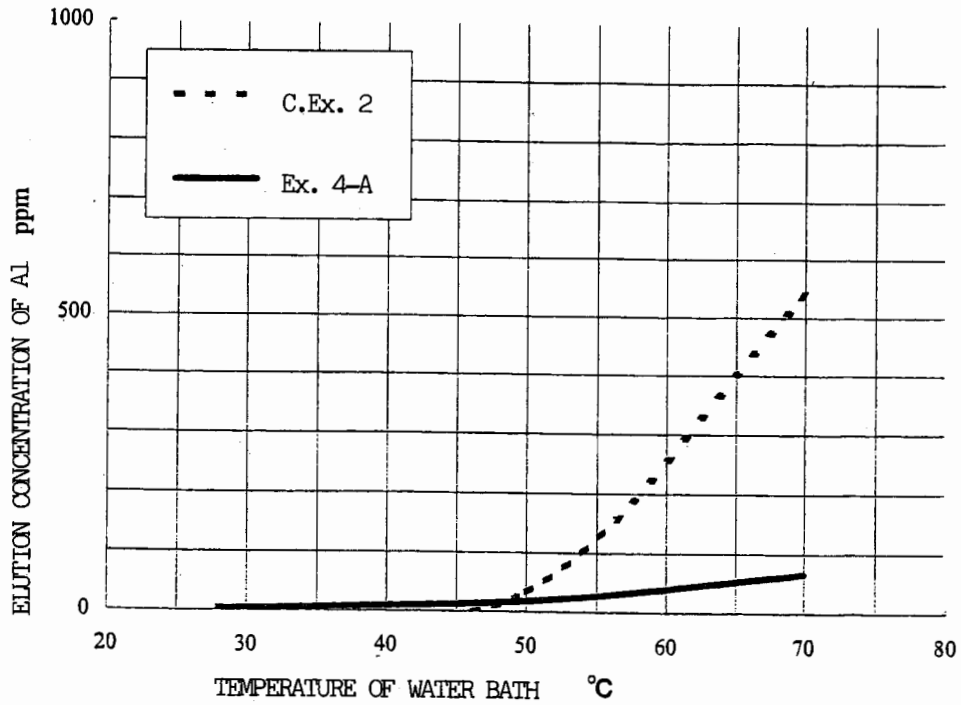


Fig. 18

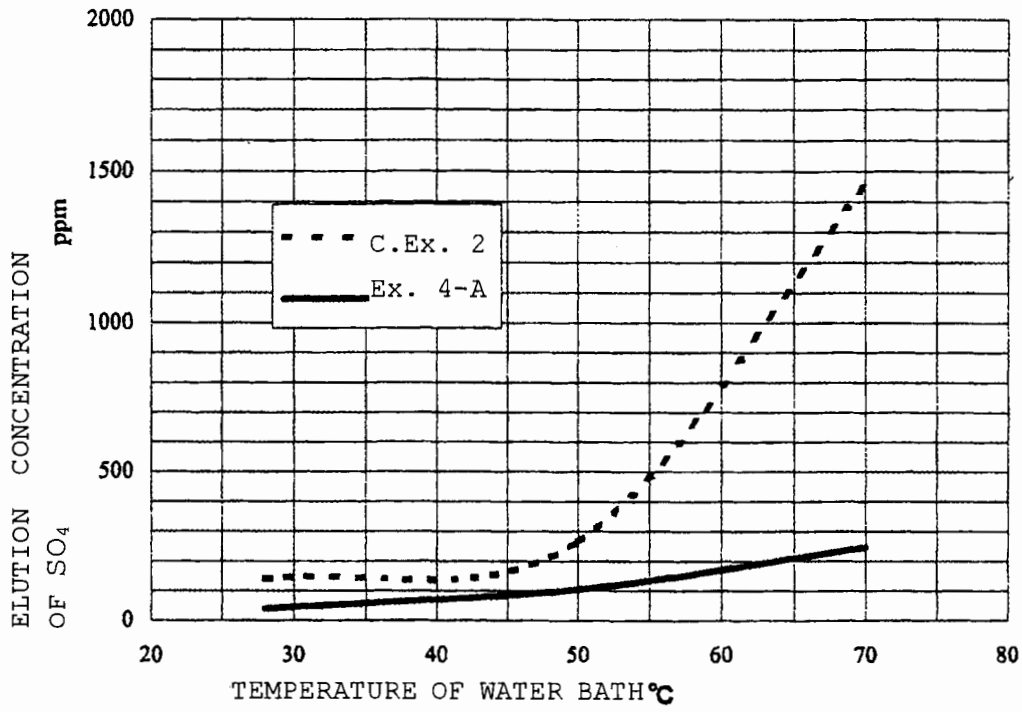

2000
1500
1000
500
0
ppm
ELUTION CONCENTRATION OF SO_4
C.Ex. 2
Ex. 4-A
20
30
40
50
60
70
80
TEMPERATURE OF WATER BATH℃

Fig. 19

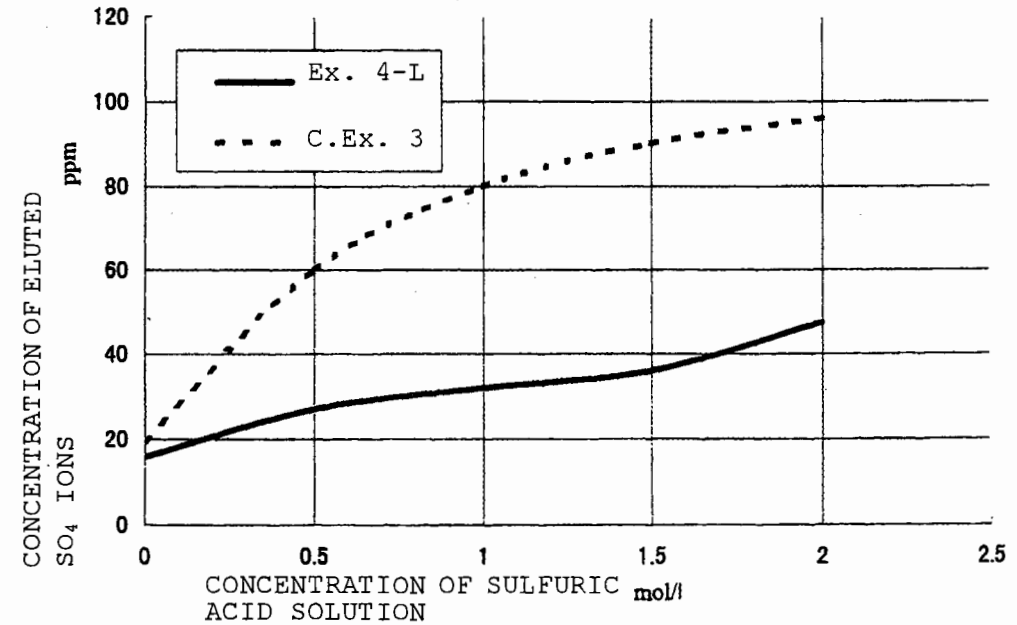

120
100
80
60
40
20
0
ppm
CONCENTRATION OF ELUTED SO_4 IONS
Ex. 4-L
C.Ex. 3
0
0.5
1
1.5
2
2.5
CONCENTRATION OF SULFURIC ACID SOLUTION mol/l

Fig. 20

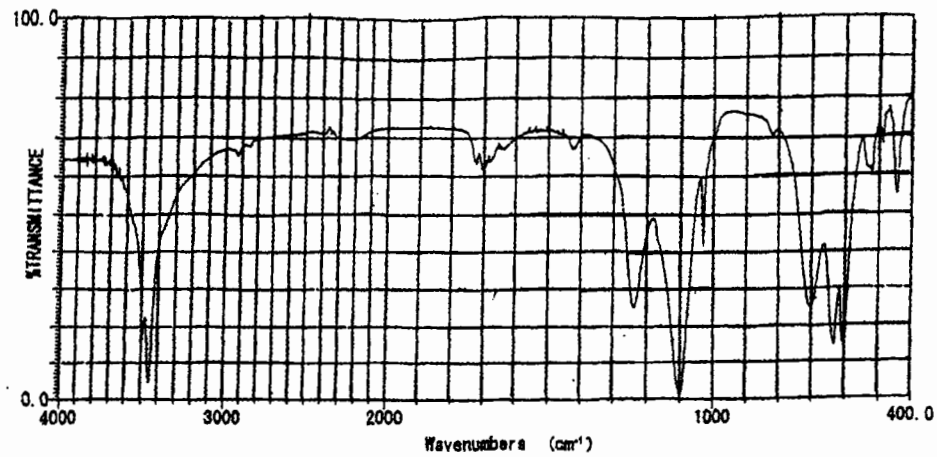

100.0
%TRANSMITTANCE
0.0
4000
3000
2000
1000
400.0
Wavenumbers (cm-1)

Fig. 21

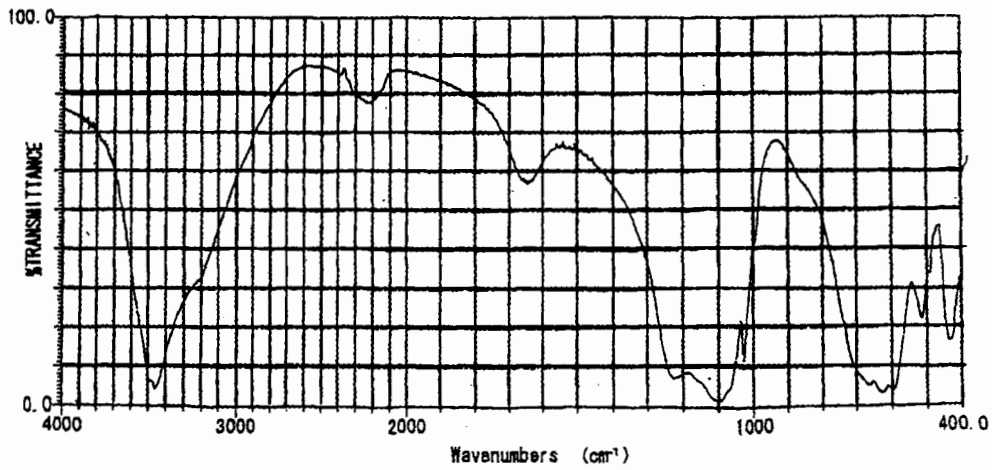

100.0
%TRANSMITTANCE
0.0
4000
3000
2000
1000
400.0
Wavenumbers (cm-1)

Fig. 22

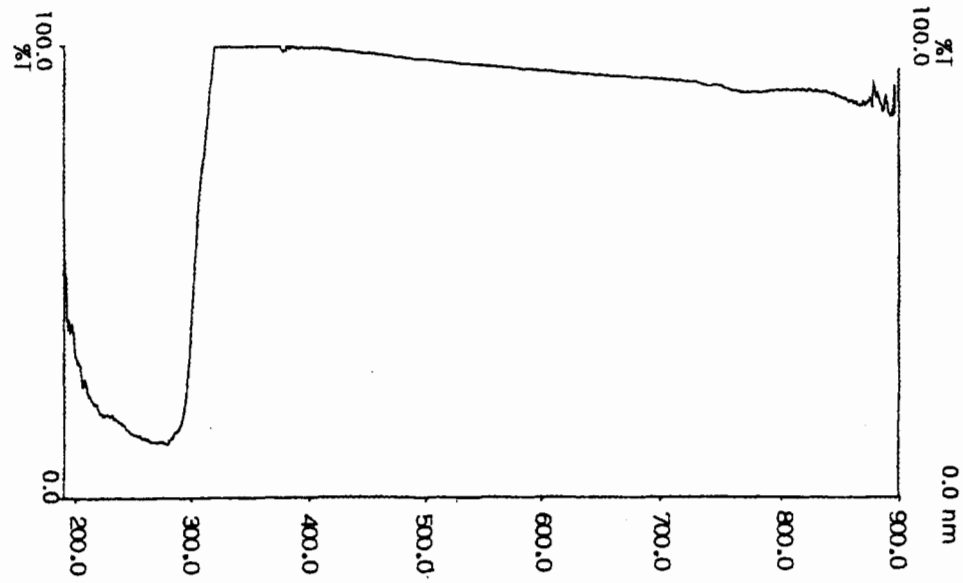

%T
100.0
0.0
200.0
300.0
400.0
500.0
600.0
700.0
800.0
900.0
nm

Fig. 23

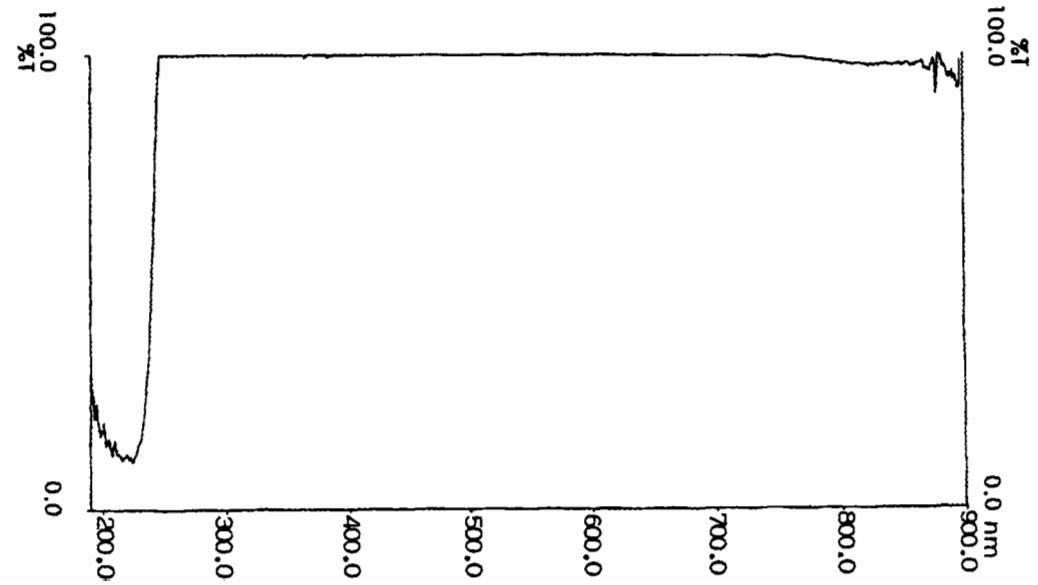

%T
100.0
0.0
200.0
300.0
400.0
500.0
600.0
700.0
800.0
900.0
nm

Fig. 24

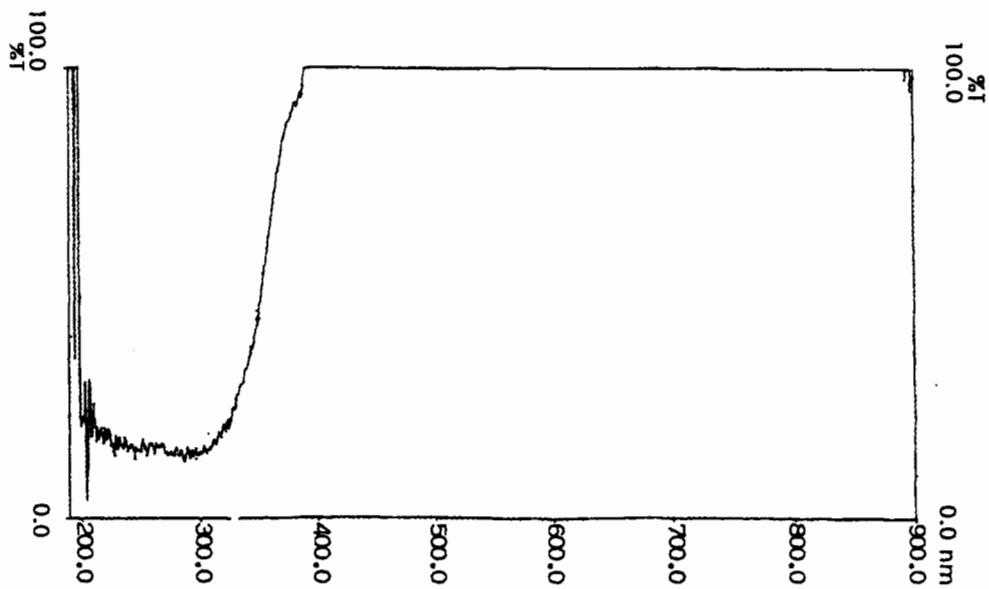

100.0
%T
0.0
200.0
300.0
400.0
500.0
600.0
700.0
800.0
900.0 nm

Fig. 25

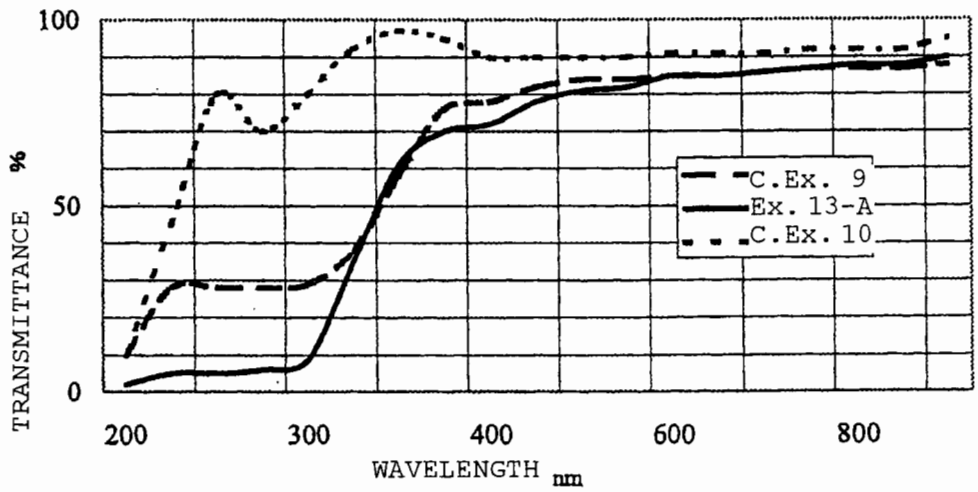

100
50
0
%
TRANSMITTANCE
200
300
400
600
800
WAVELENGTH nm
C.Ex. 9
Ex. 13-A
C.Ex. 10

Fig. 26

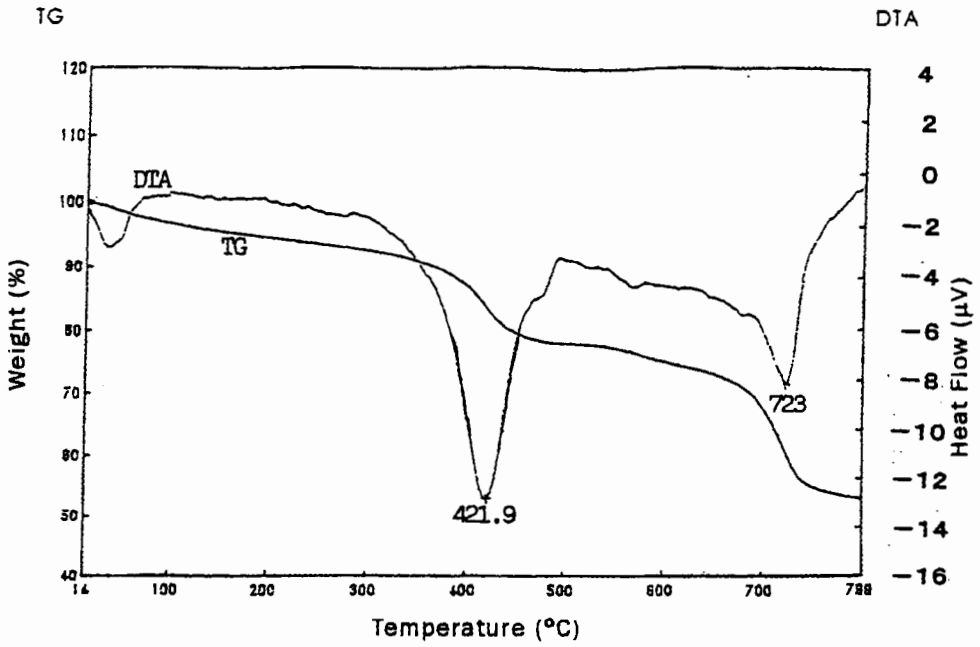

TG
DTA
DTA
TG
421.9
723
Weight (%)
Heat Flow (μV)
Temperature (°C)

Fig. 27

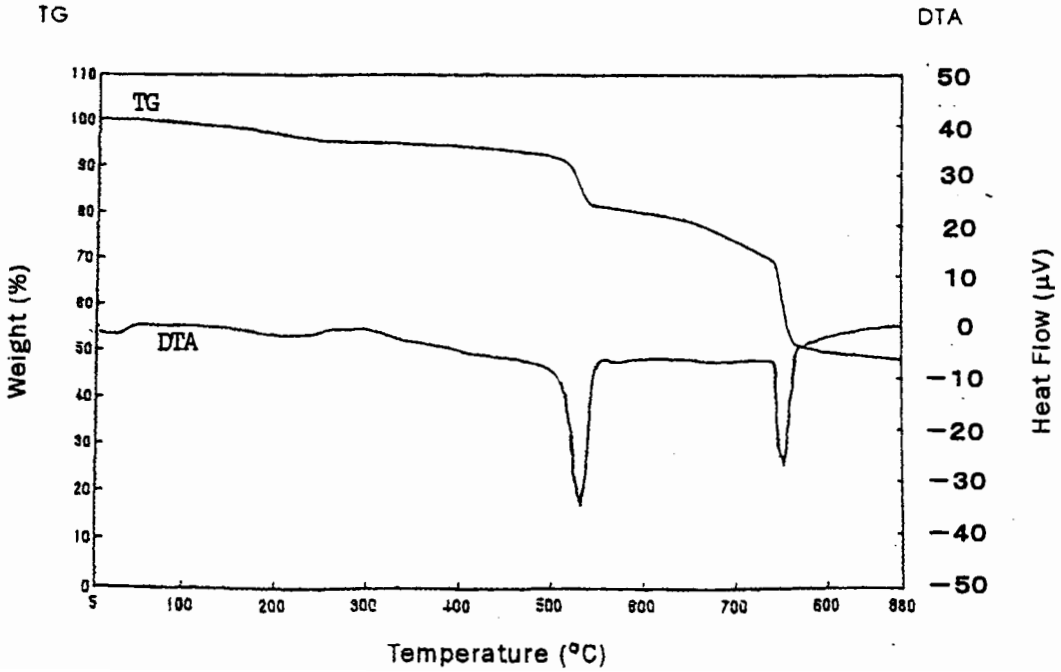

TG
DTA
TG
DTA
Weight (%)
Heat Flow (μV)
Temperature (°C)

Fig. 28

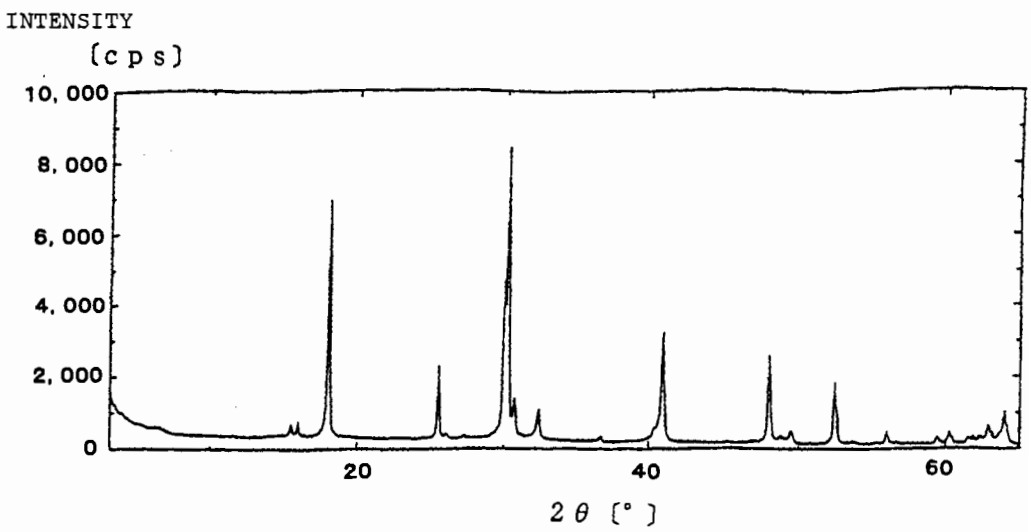

INTENSITY
(cps)
10, 000
8, 000
6, 000
4, 000
2, 000
0
20
40
60
2θ (°)

Fig. 29

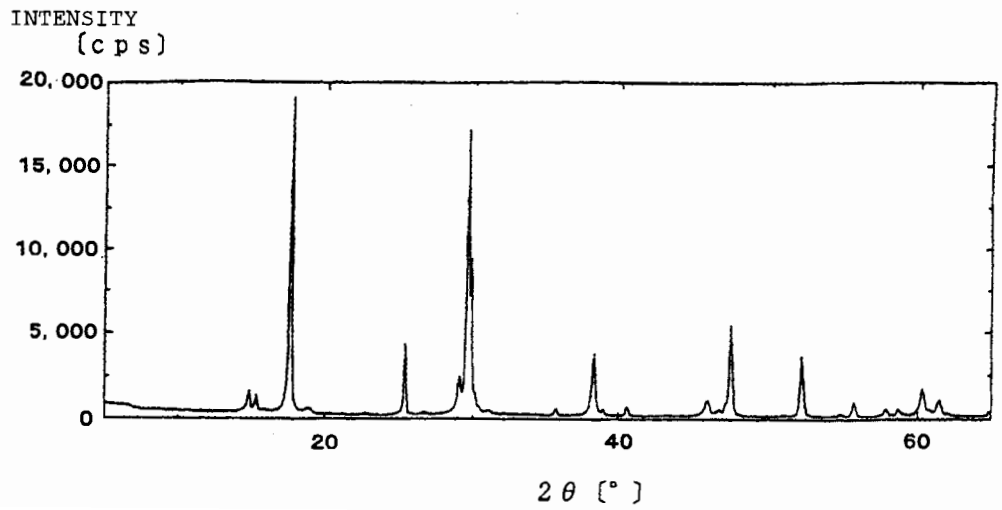

INTENSITY
(cps)
20, 000
15, 000
10, 000
5, 000
0
20
40
60
2θ (°)

Fig. 30

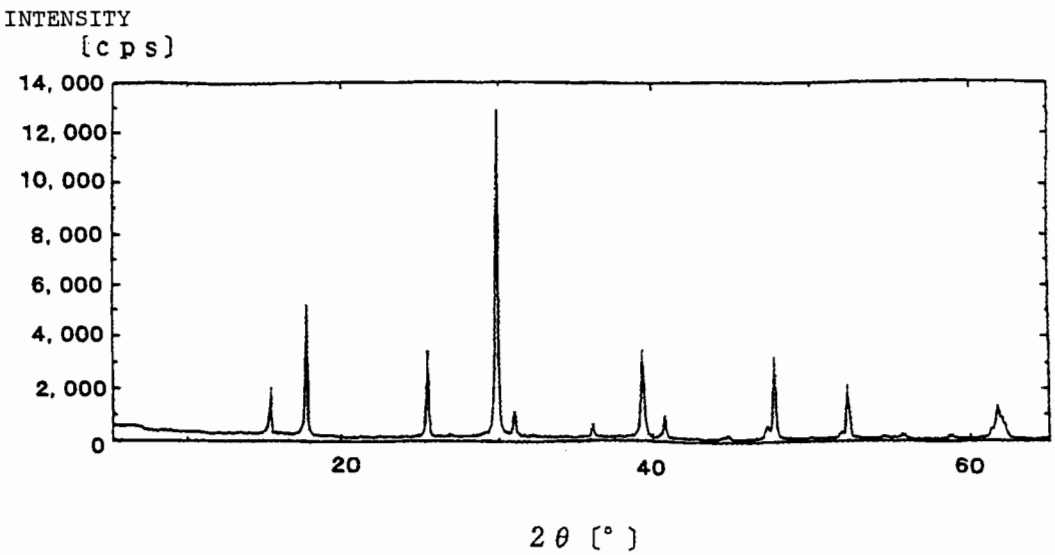

INTENSITY
[cps]
14, 000
12, 000
10, 000
8, 000
6, 000
4, 000
2, 000
0
20
40
60
2θ [°]

Fig. 31

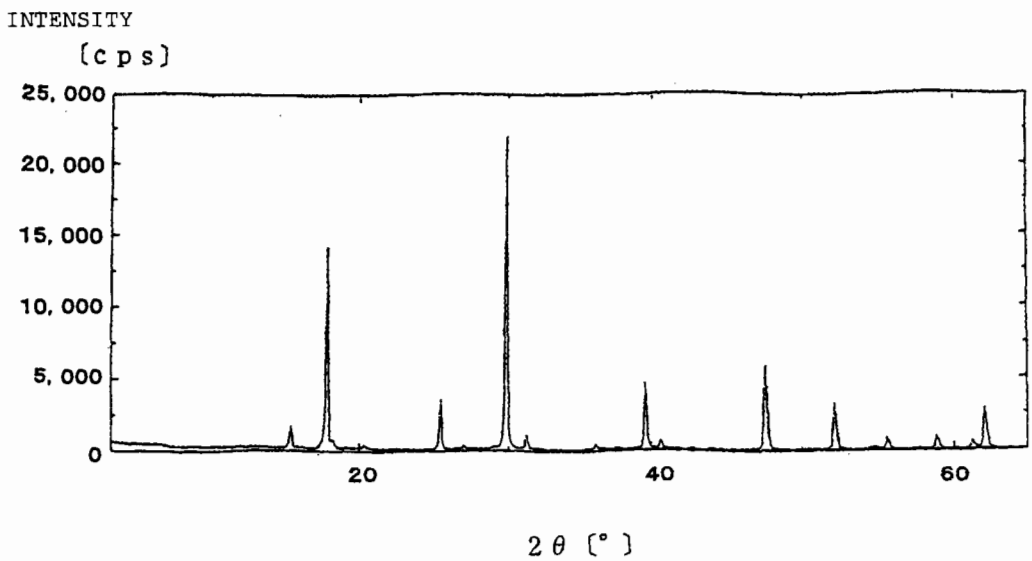

INTENSITY
[cps]
25, 000
20, 000
15, 000
10, 000
5, 000
0
20
40
60
2θ [°]

Fig. 32

