

□ X-ray

(XRD)

X

X

X

.

..

X

1

가

d

가

A, B, C ...

X

, X

.

X

P'RP''

X

X

,

X

X

.

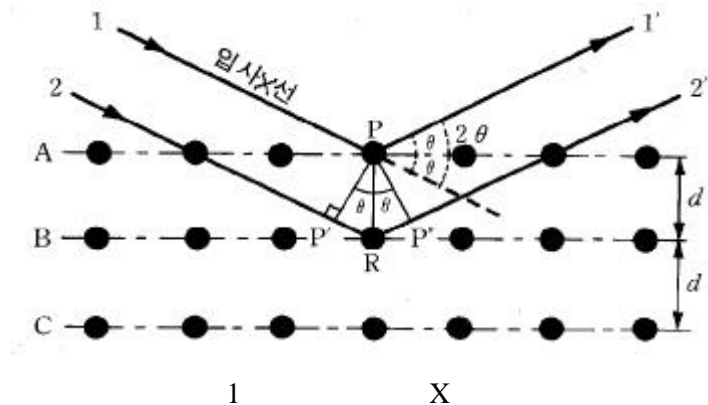
X

d

가

.

$$2d \cdot \sin \theta = n\lambda$$



1

X

Bragg

,

X

가

d가

.

, X

X

2 (

2)가

.

X

2 - d

가

,

d

X

가

X

X

가

peak

(pattern)

(pattern)

X

(同定)

X

가

,

ASTM

JCPDS

(JCPDS

, ICDD

)

o

28

7

X

8.4

2 가 18.1°, 28.6°, 34.1°

(Ca(OH)₂), 29.3°,

32.2°, 32.4°

(C₃S C₂S), 9.1°

가 (C₃A · 3CaSO₄ ·

32H₂O)

7

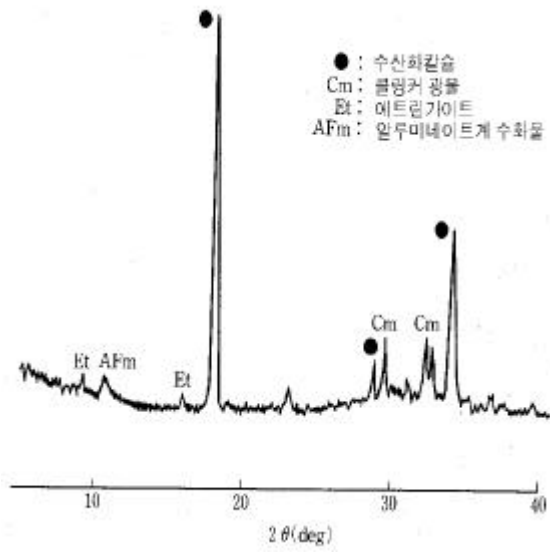
(가 20%)

23.0° 29.

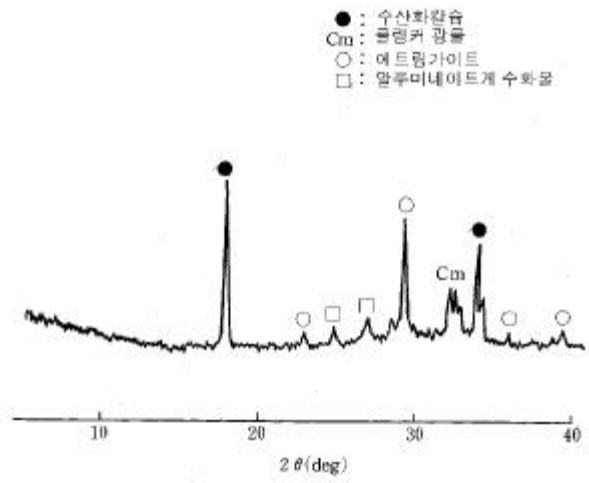
4°

, 24.9°, 27.0° 32.8°

X



(a) 1



(b) 7

2.

X

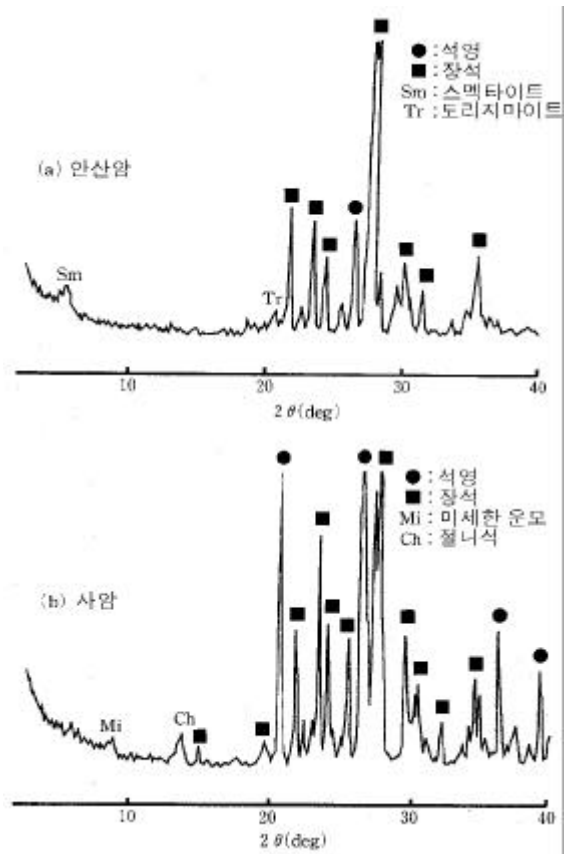
O

X

3

가

X



X

가

3

X