

## **ملخص الرسالة**

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- 1

(EDAX)

(X-Ray)

(IR)

(NMR)

.(DSC)

(orthorhombic)

." $a \neq b \neq c$ "

400

-2

470      273

$10^6 - 500$

470      273

$$\sigma_{tot}=\sigma_{dc}+A\omega^s$$

$$10^6 \text{ - } 500 \qquad \qquad \qquad -3$$

$$470 \qquad 273$$

$$\varepsilon^{\scriptscriptstyle(},\varepsilon^{\scriptscriptstyle(}\!\!\!)$$

$$\varepsilon^{\scriptscriptstyle(},\varepsilon^{\scriptscriptstyle(}\!\!\!)$$

$$\boldsymbol{-4}$$

$$273 \qquad \qquad \qquad 10^6 \text{ - } 500$$

$$373$$

$$\sigma_{tot}=\sigma_{dc}+A\omega^s$$

$$\sigma_{tot}=A\omega^s$$

-5

500 Hz      323K

.%50

-6

373      273       $10^6$  - 500

$\varepsilon^{''}, \varepsilon'$

$\varepsilon^{''}, \varepsilon'$

-7

1.2 V      (i)

(ii)

(iii)

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