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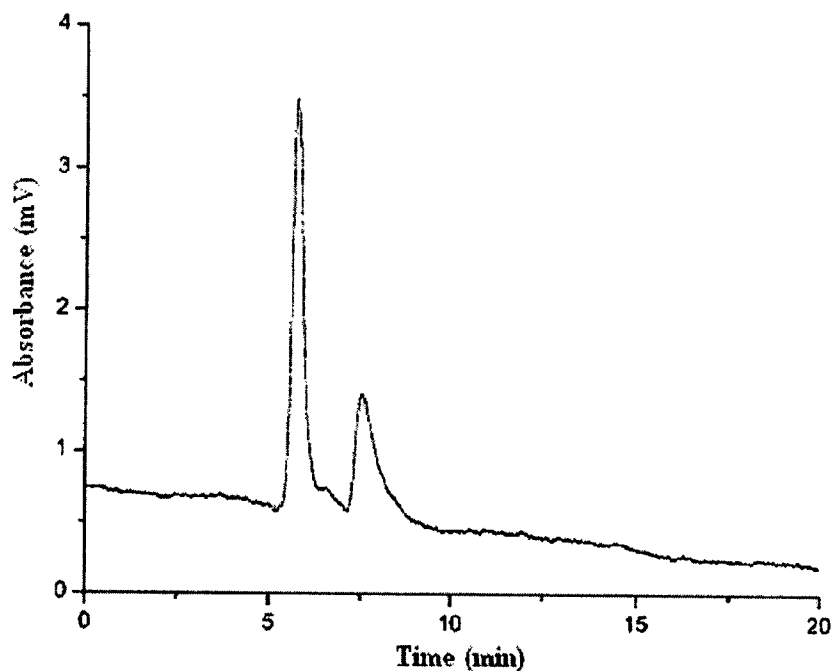
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[Continued on next page]

(54) Title: CHIRAL INORGANIC-ORGANIC COMPOSITE POROUS MATERIAL AND METHOD FOR PREPARING THE SAME



(57) Abstract: The present invention provides a chiral inorganic-organic composite porous material in which cationic chiral organic molecules are present as charge-balancing cations in a porous material containing charge-balancing cations, as well as a method for preparing the same by an ion exchange process. The chiral inorganic-organic composite porous material according to the present invention is excellent in stability, selectivity and durability, and thus, will be useful as a chiral-selective catalyst or a material of separating an isomeric mixture.

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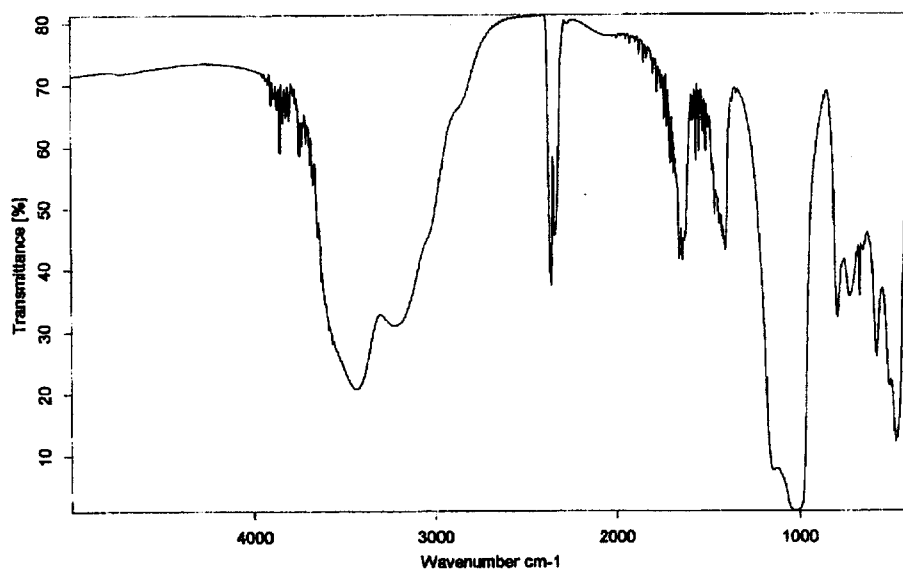
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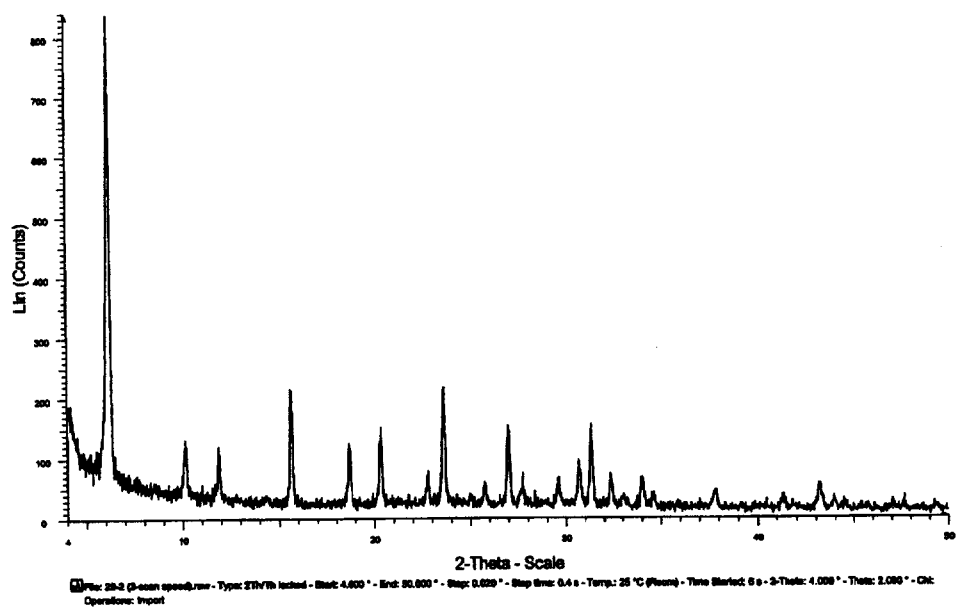
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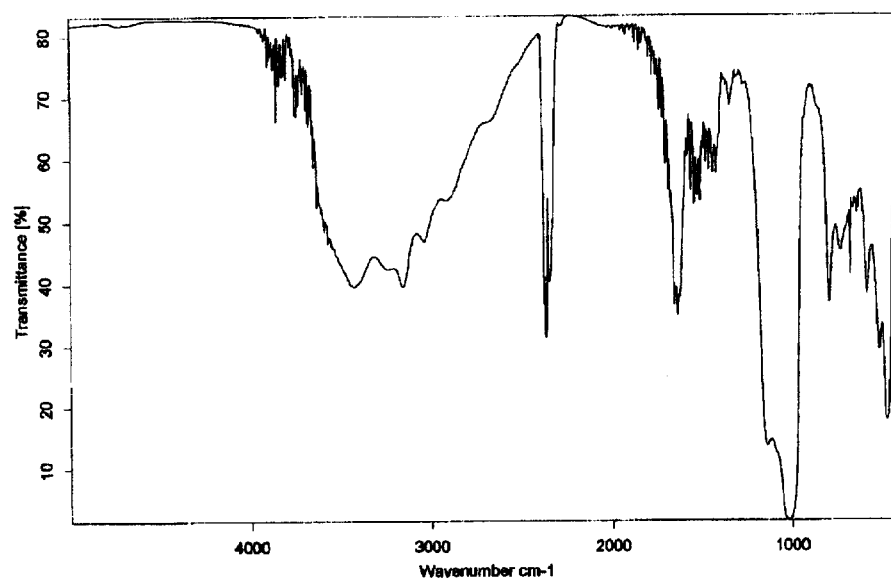
[Fig. 1]



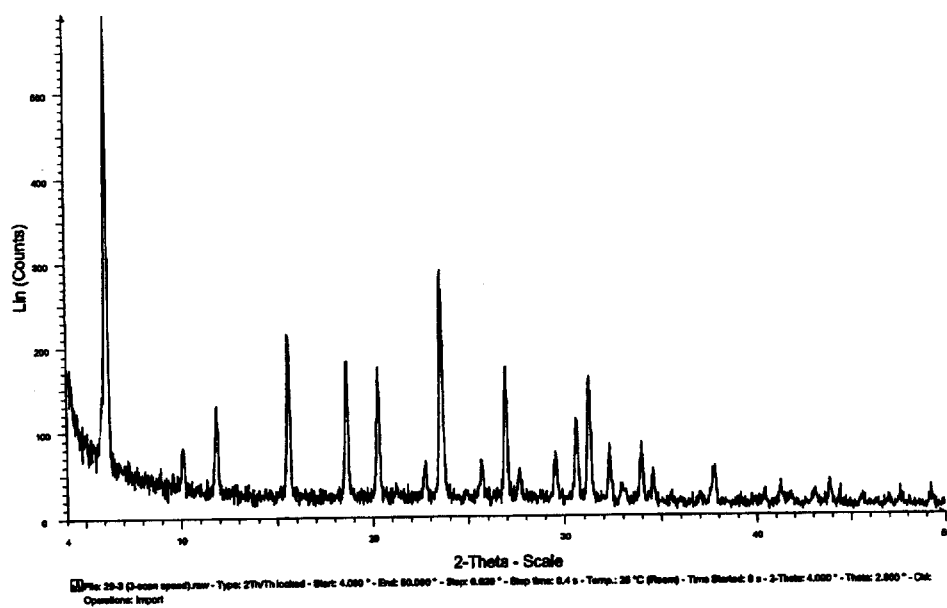
[Fig. 2]



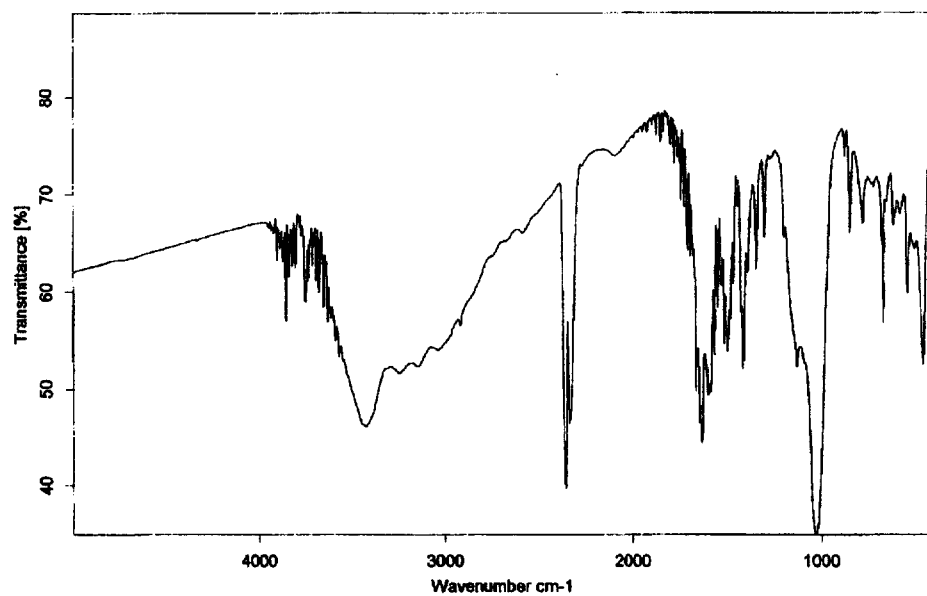
[Fig. 3]



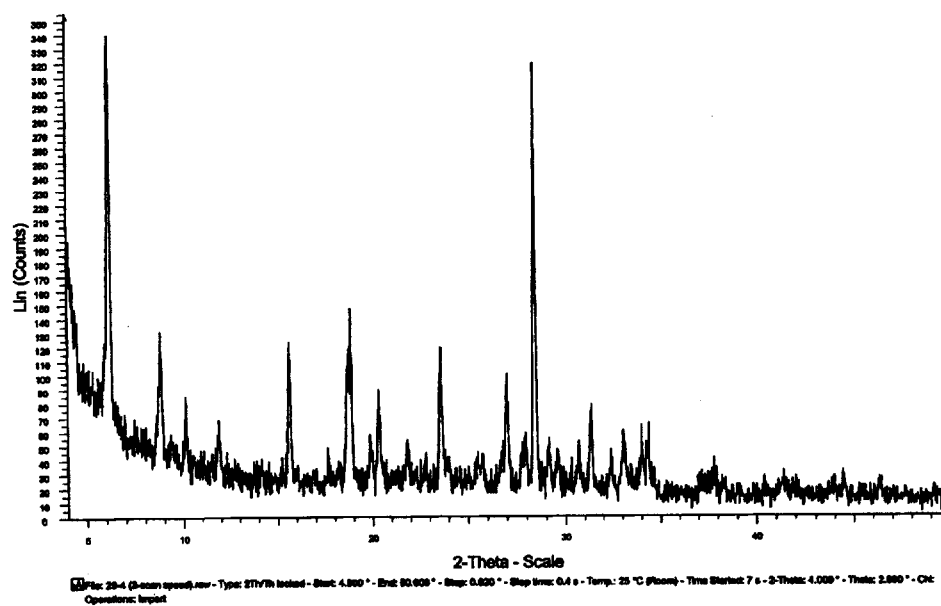
[Fig. 4]



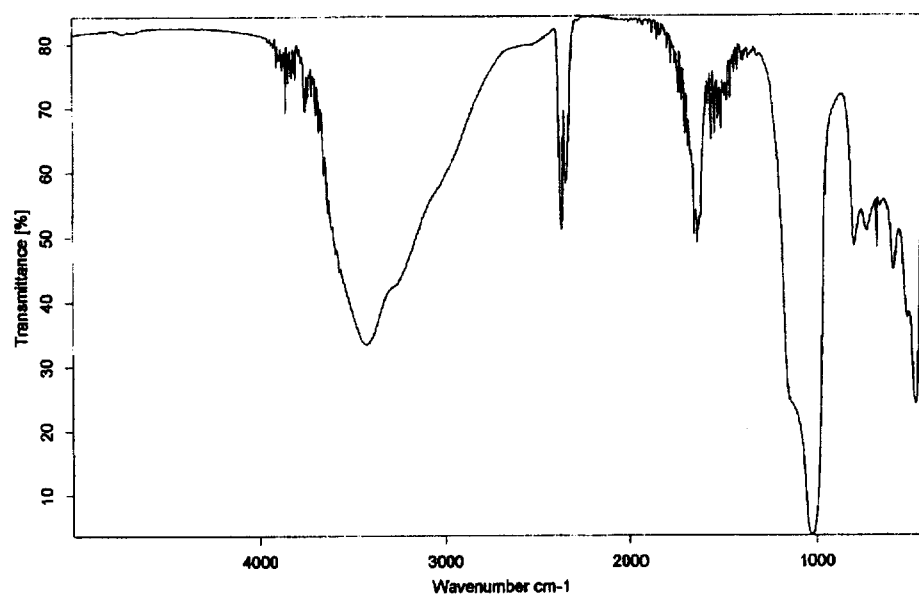
[Fig. 5]



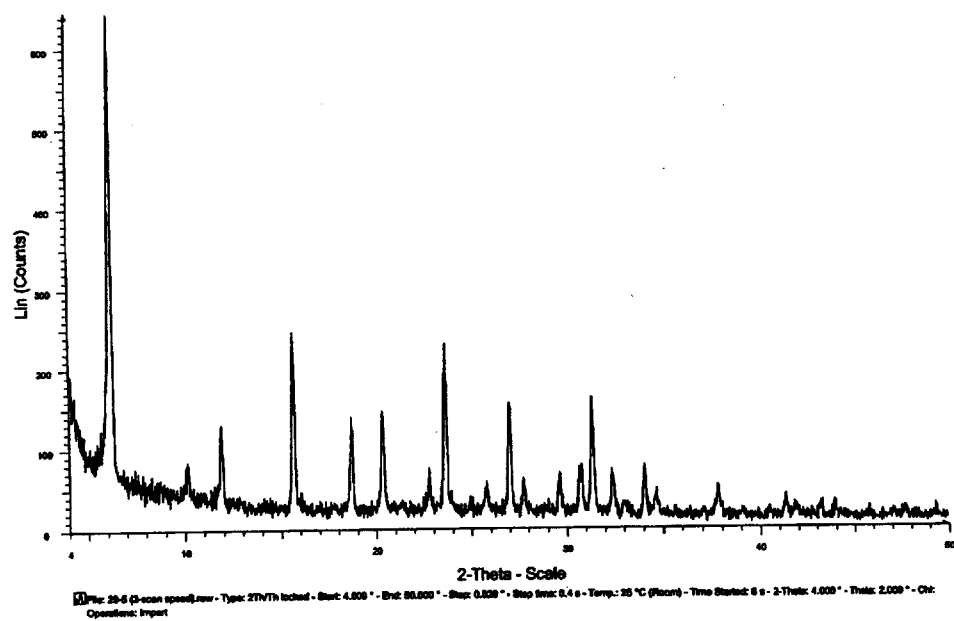
[Fig. 6]



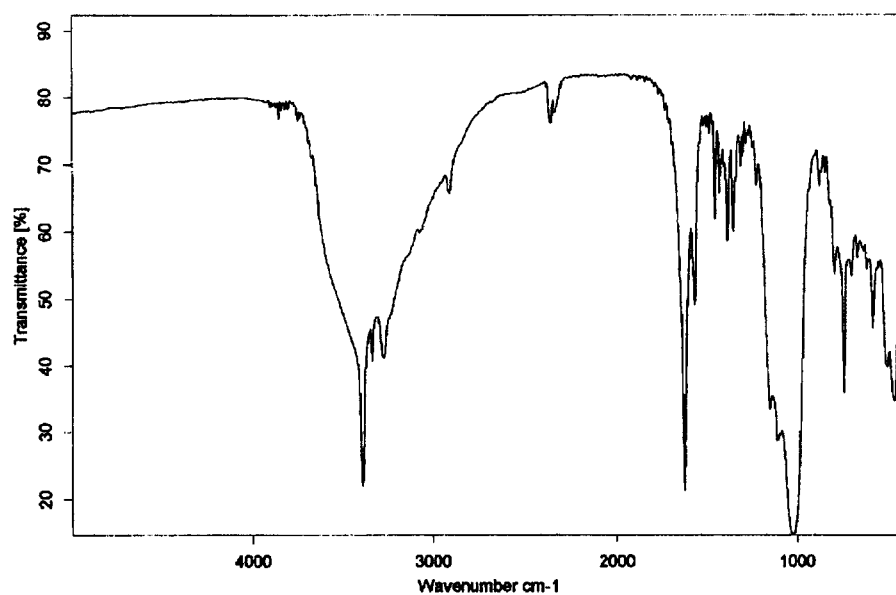
[Fig. 7]



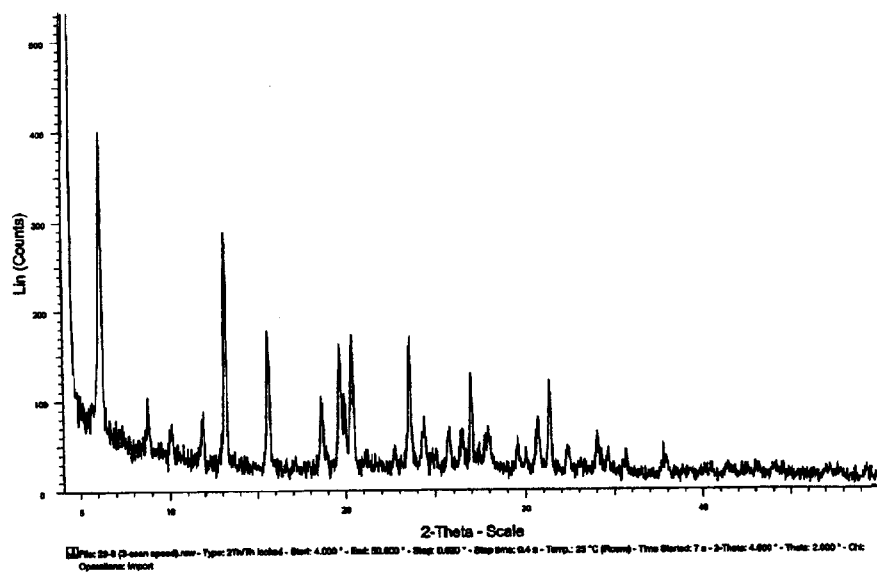
[Fig. 8]



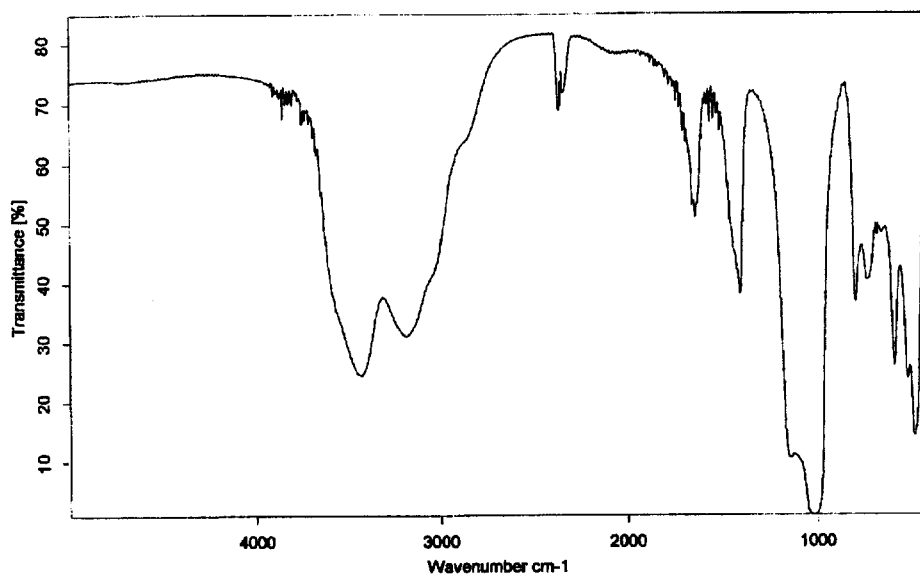
[Fig. 9]



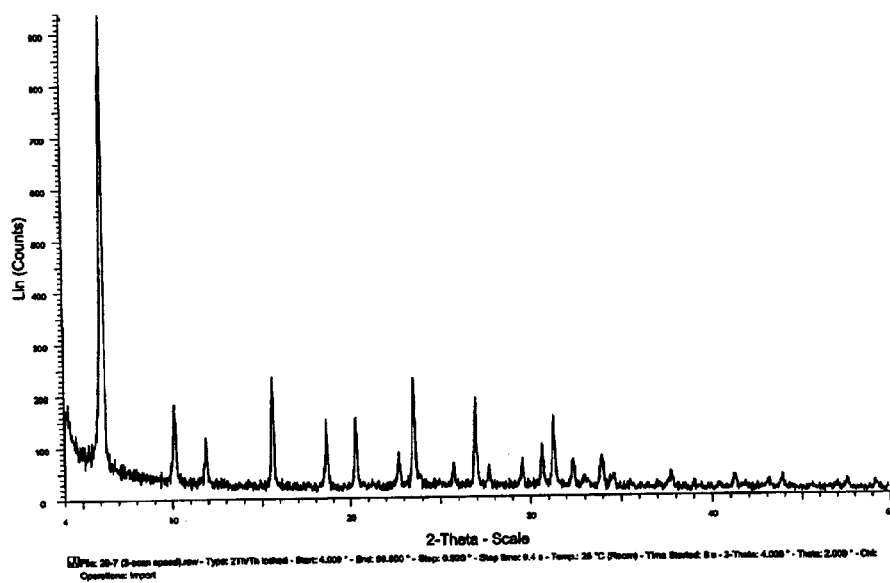
[Fig. 10]



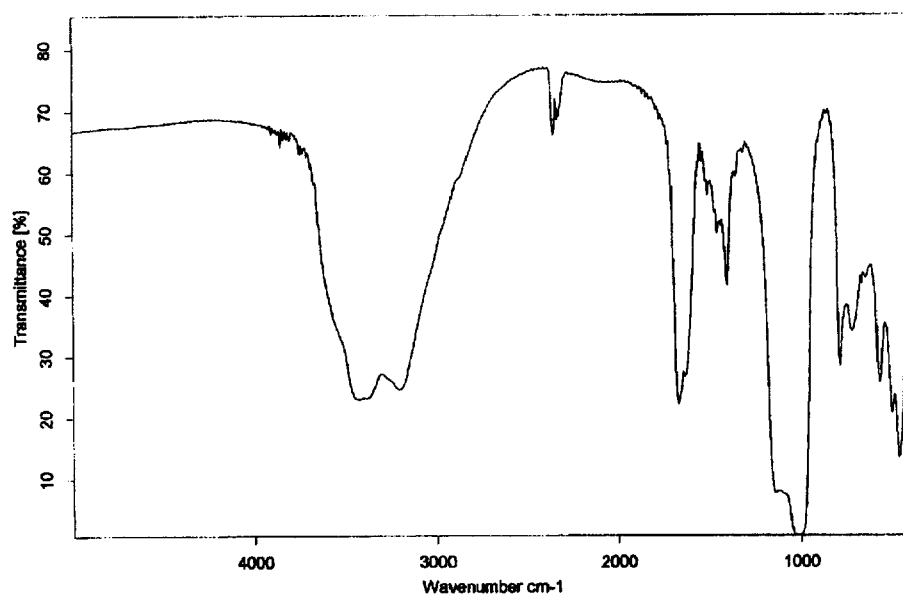
[Fig. 11]



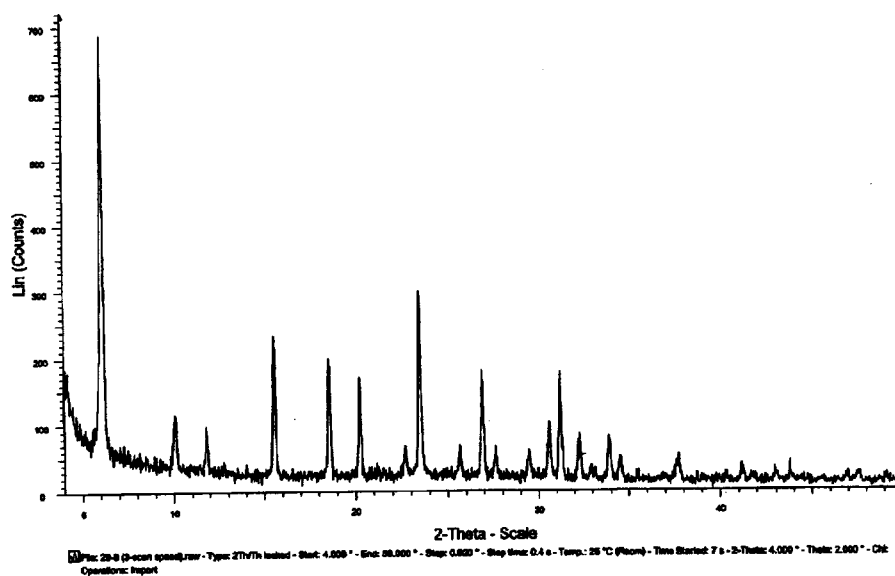
[Fig. 12]



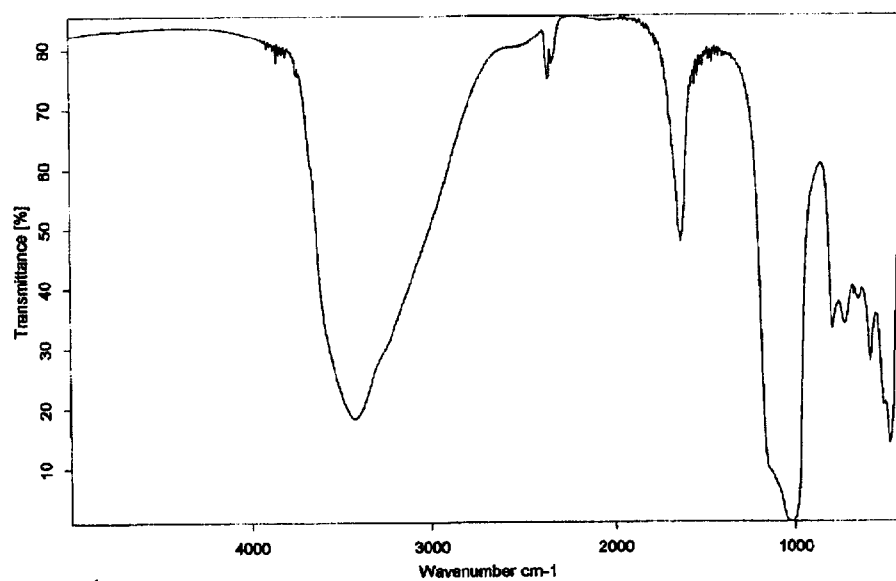
[Fig. 13]



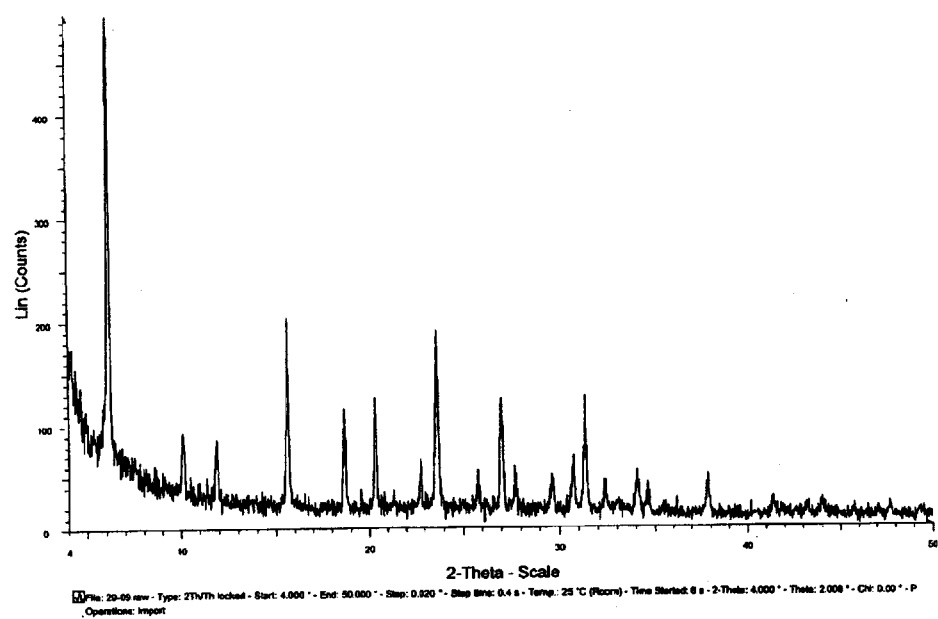
[Fig. 14]



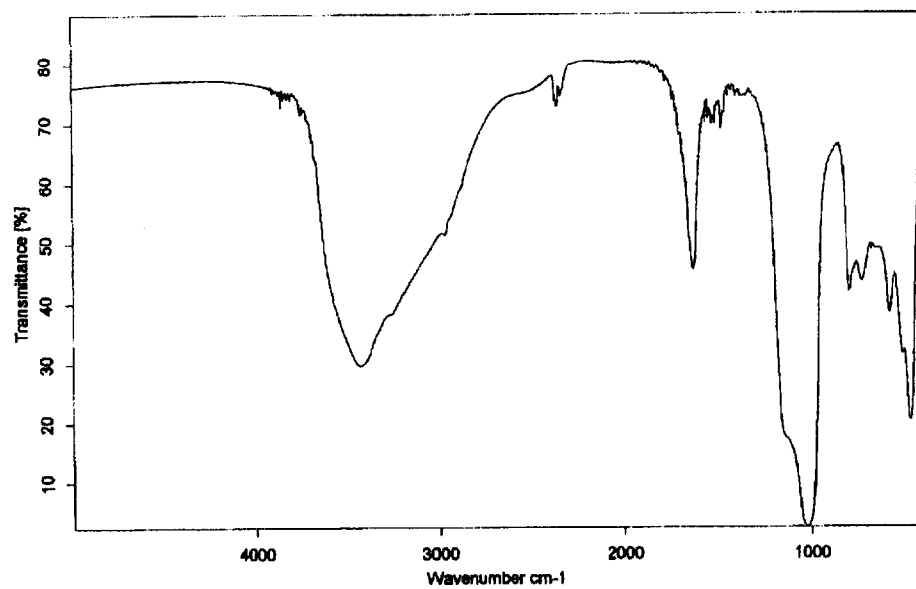
[Fig. 15]



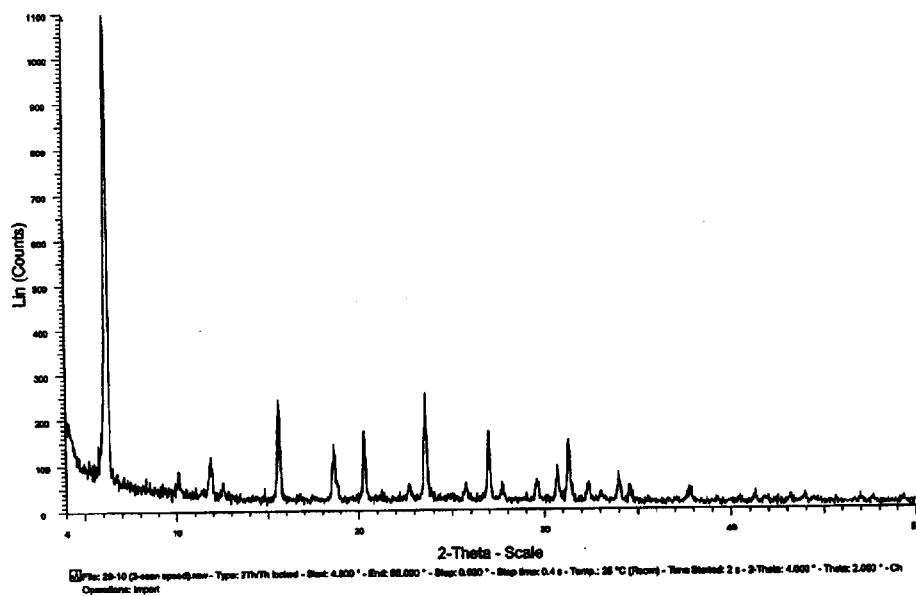
[Fig. 16]



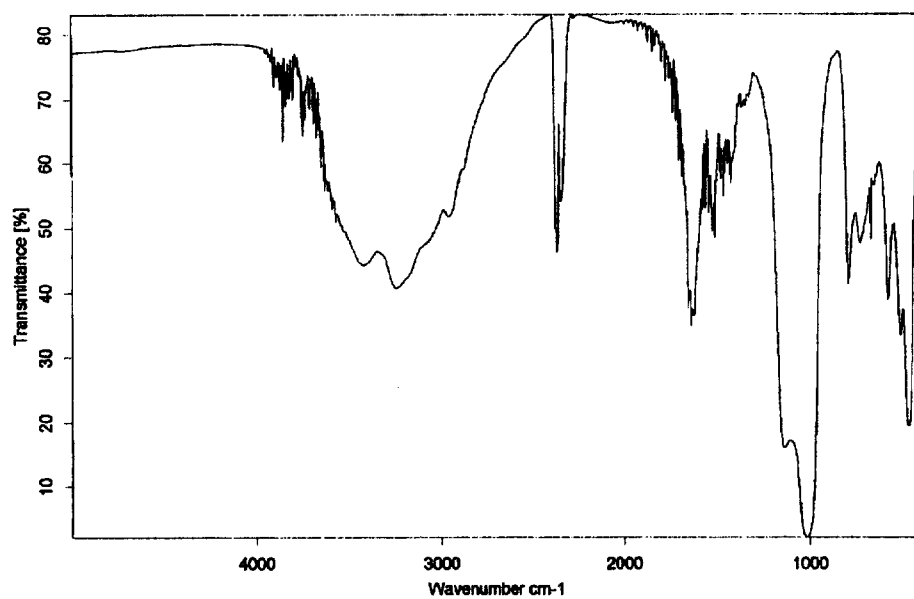
[Fig. 17]



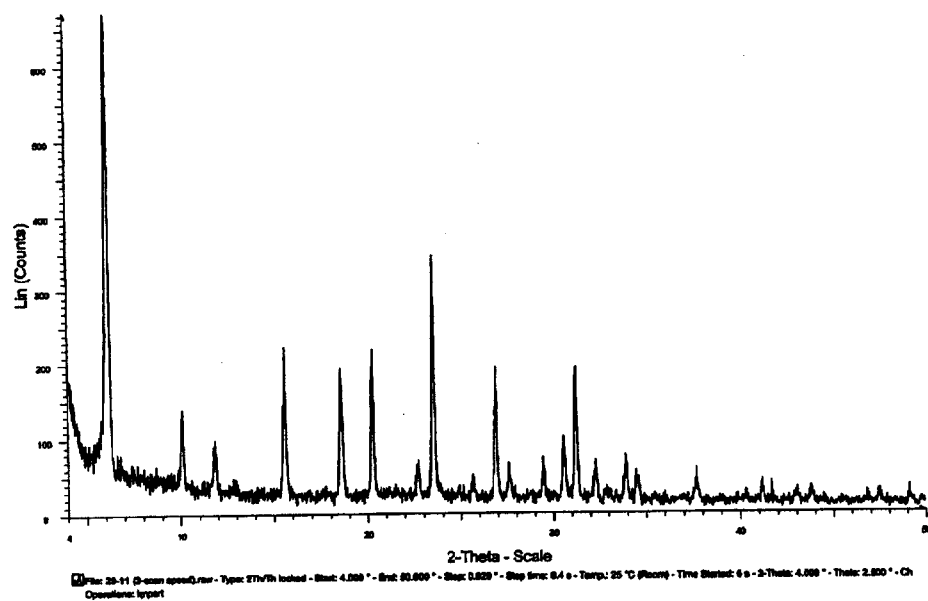
[Fig. 18]



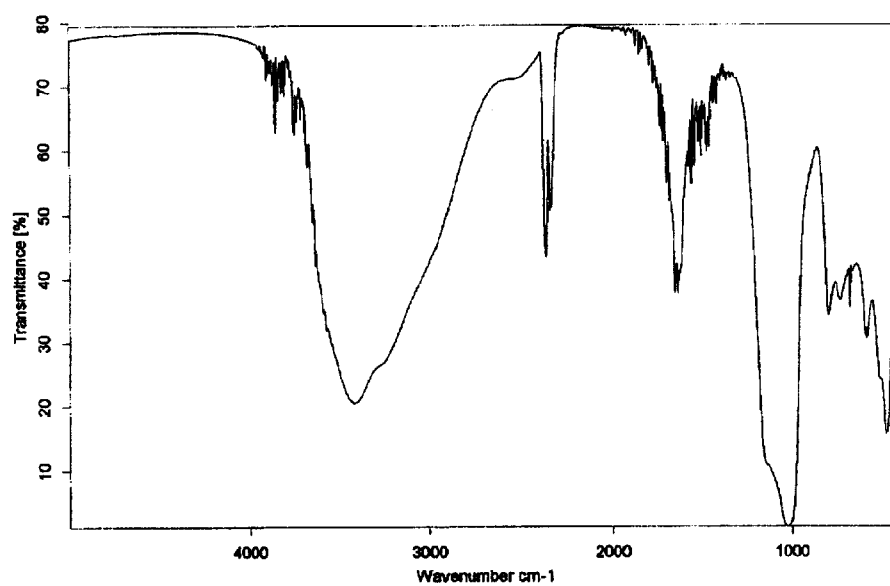
[Fig. 19]



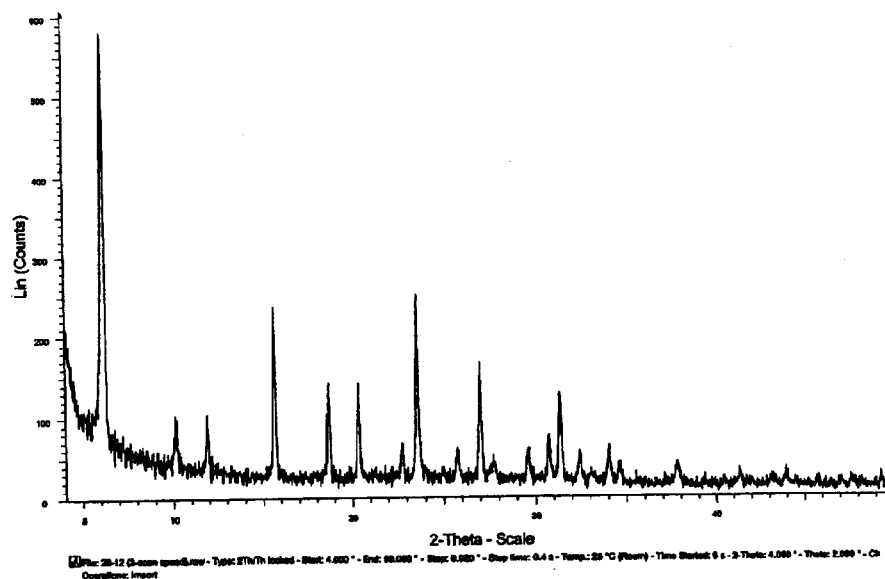
[Fig. 20]



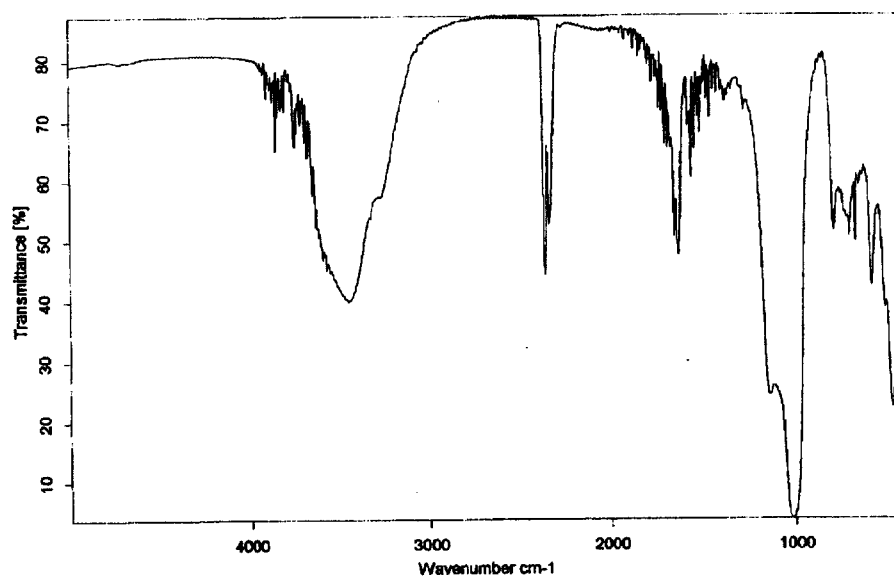
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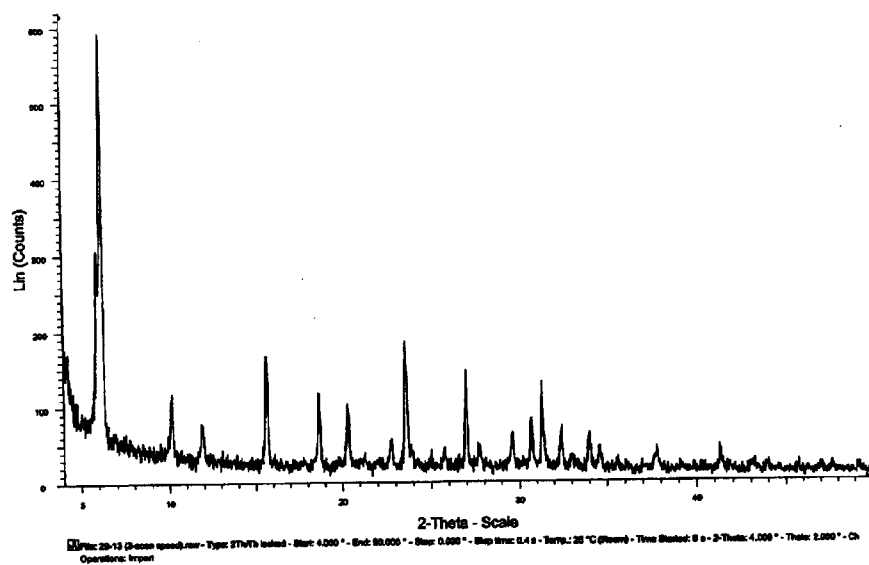
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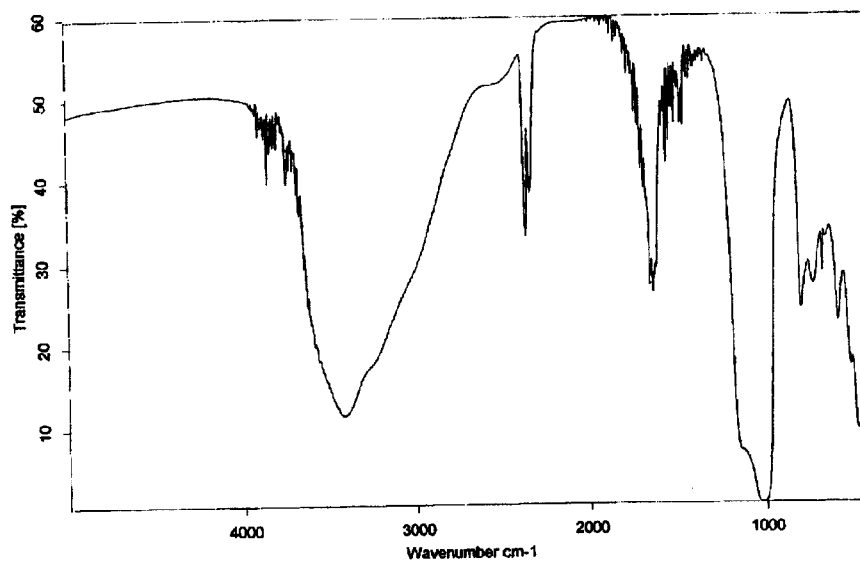
[Fig. 23]



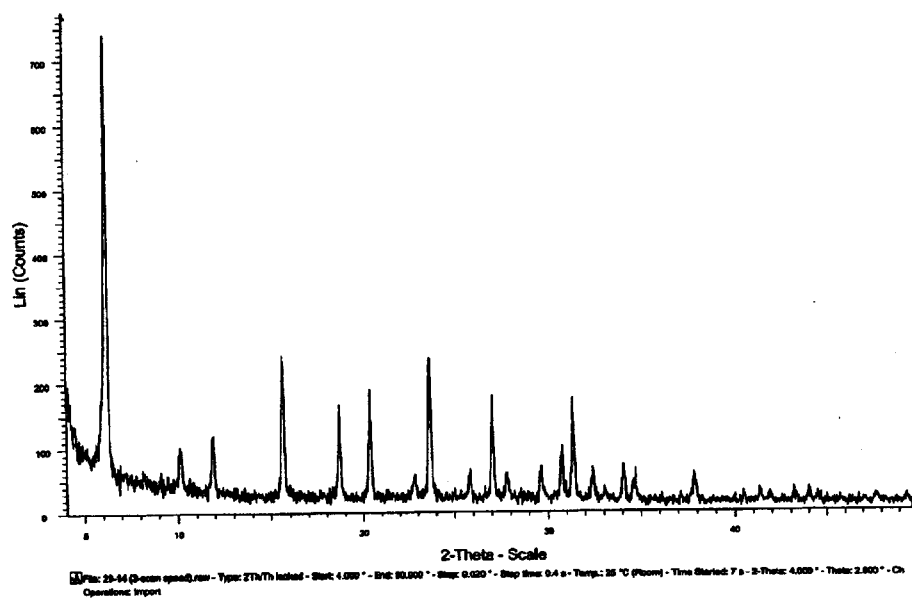
[Fig. 24]



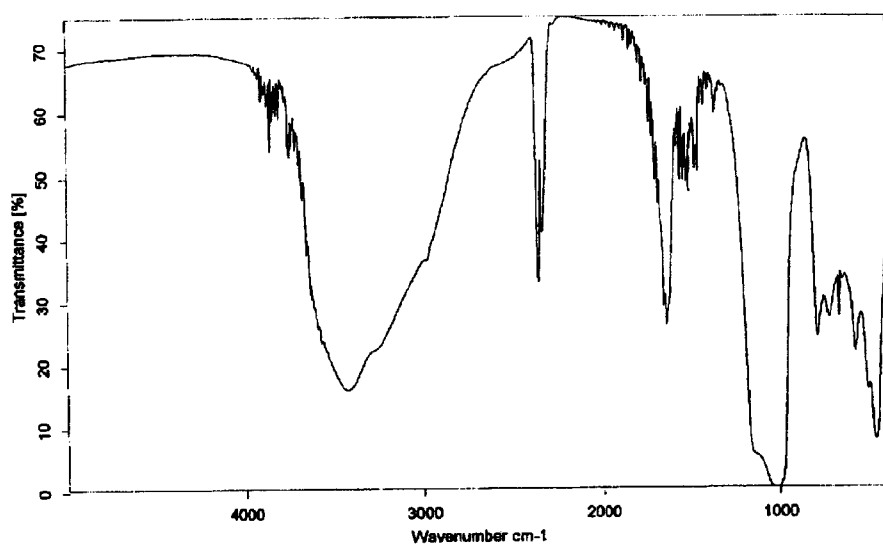
[Fig. 25]



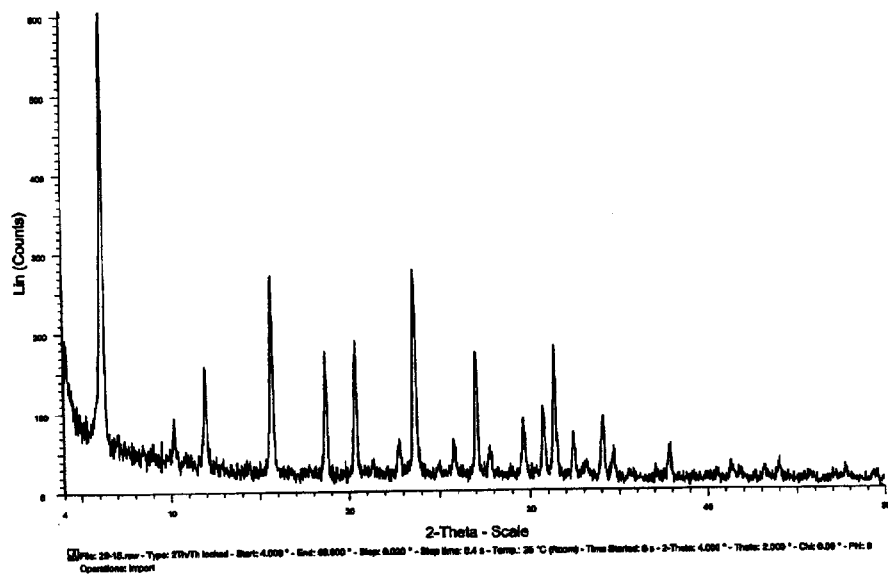
[Fig. 26]



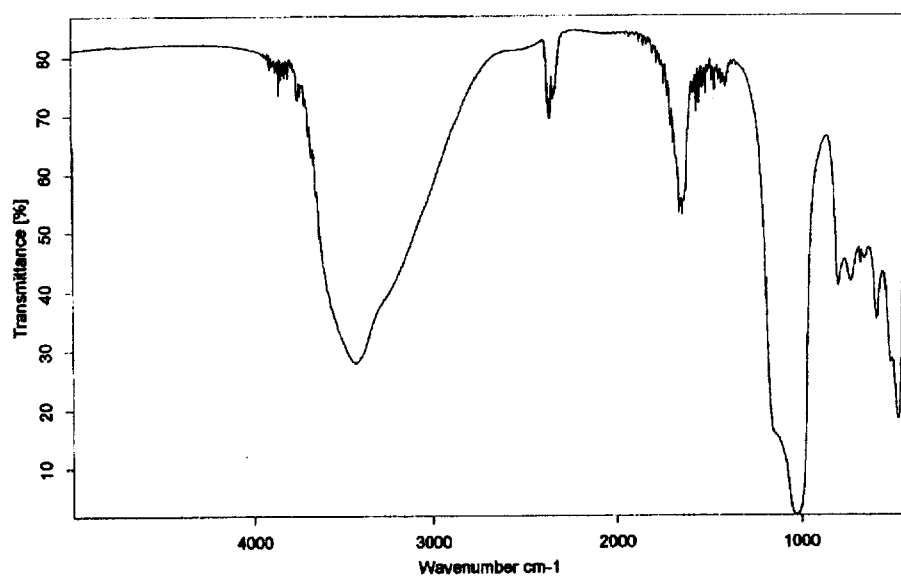
[Fig. 27]



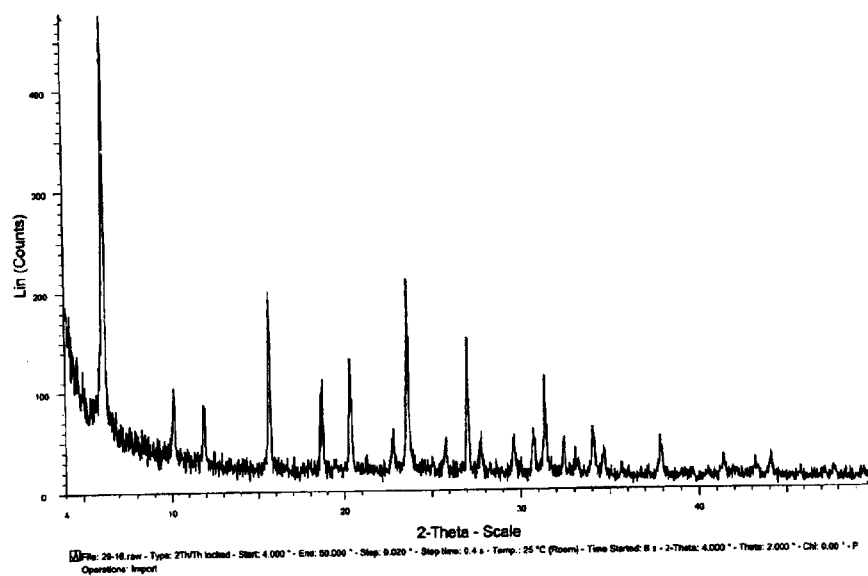
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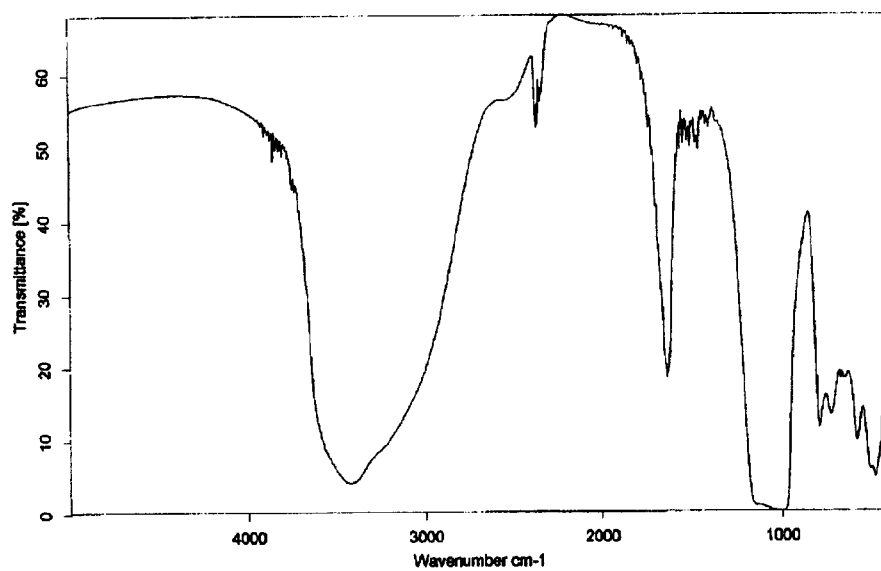
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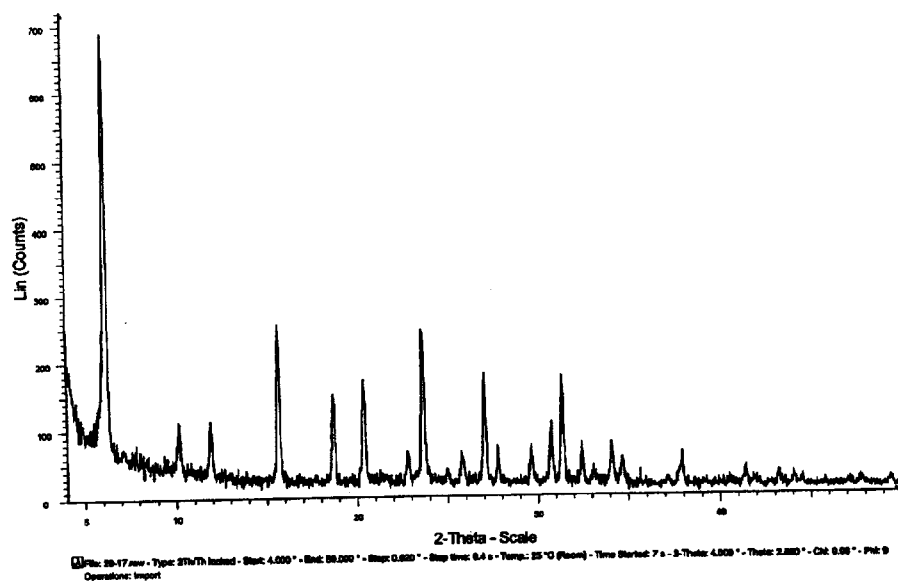
[Fig. 30]



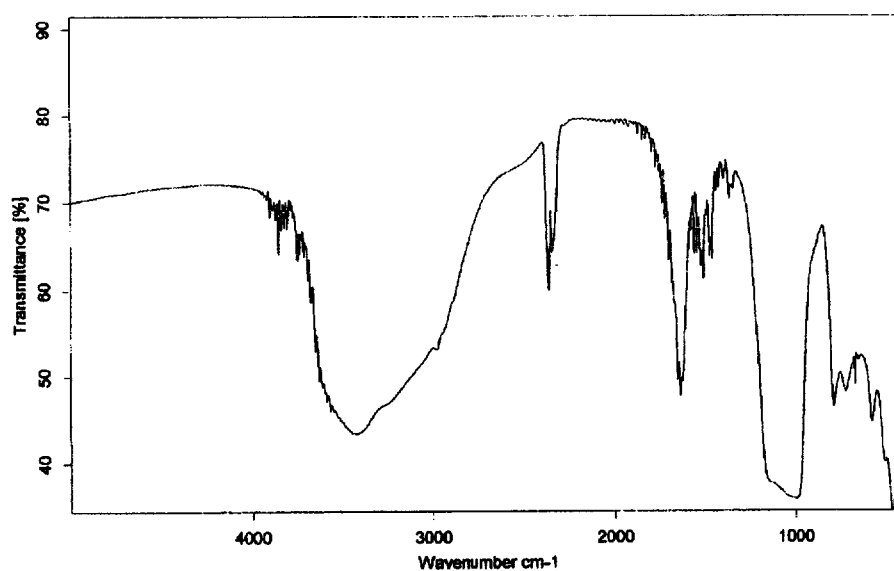
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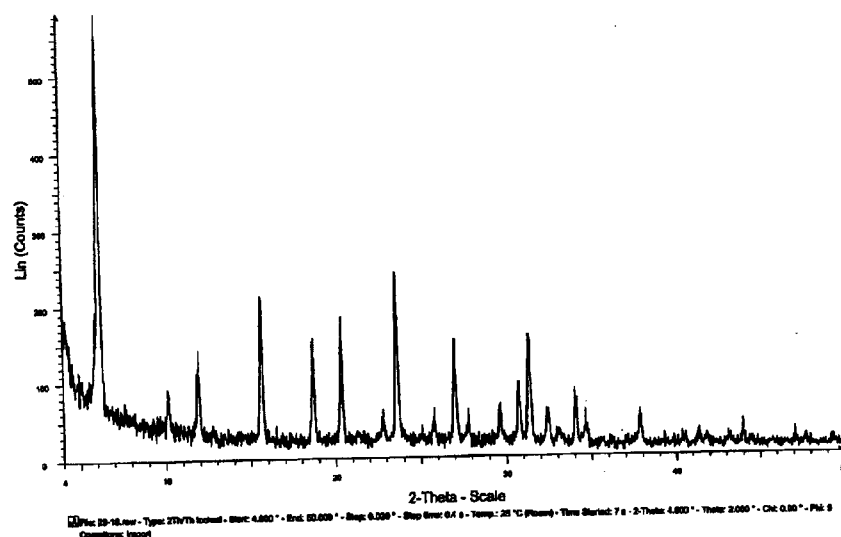
[Fig. 32]



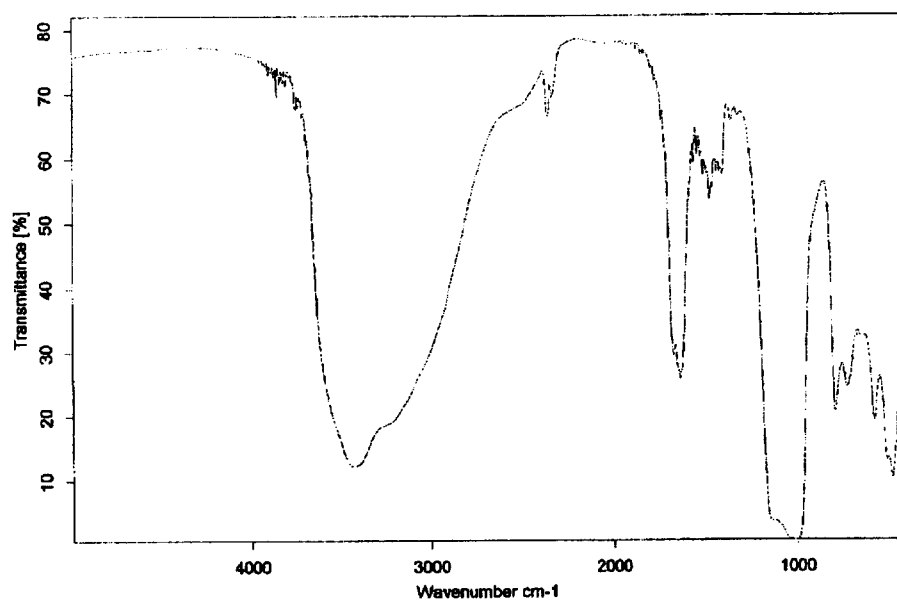
[Fig. 33]



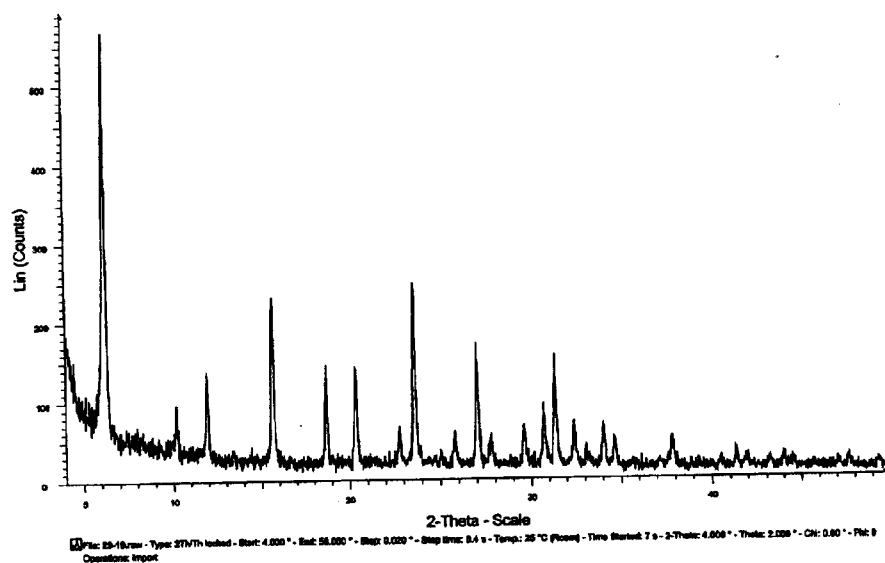
[Fig. 34]



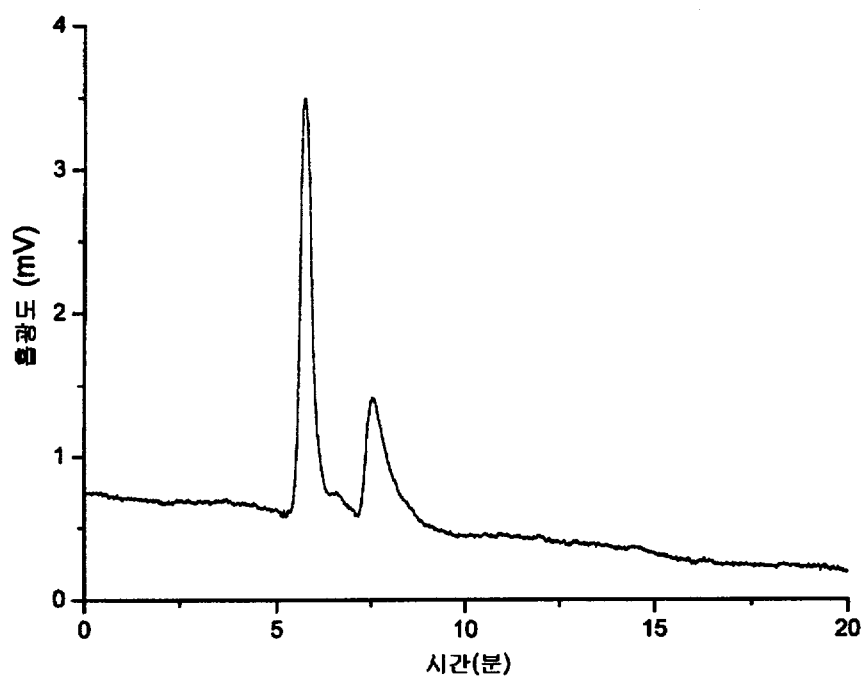
[Fig. 35]



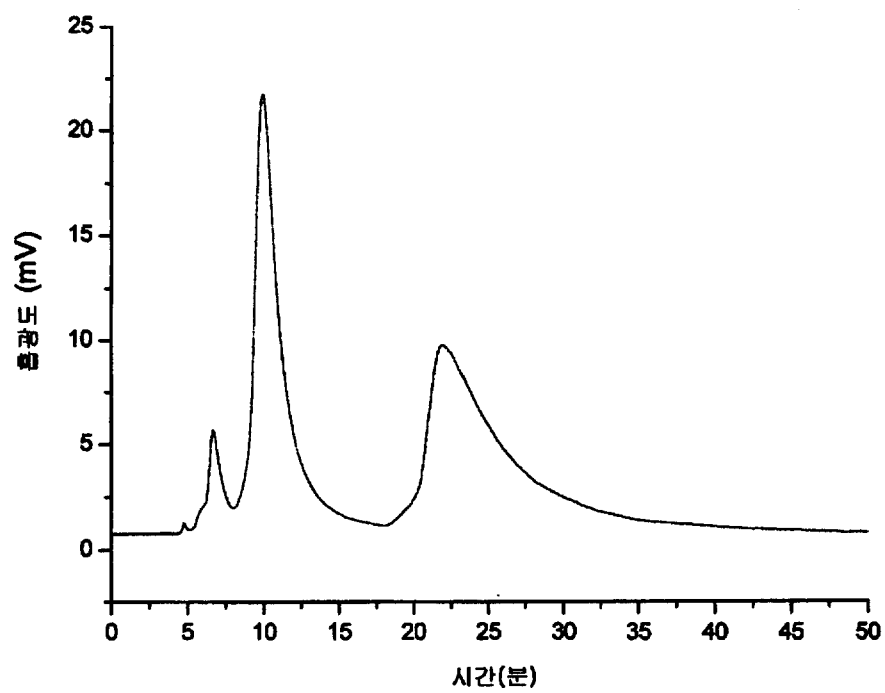
[Fig. 36]



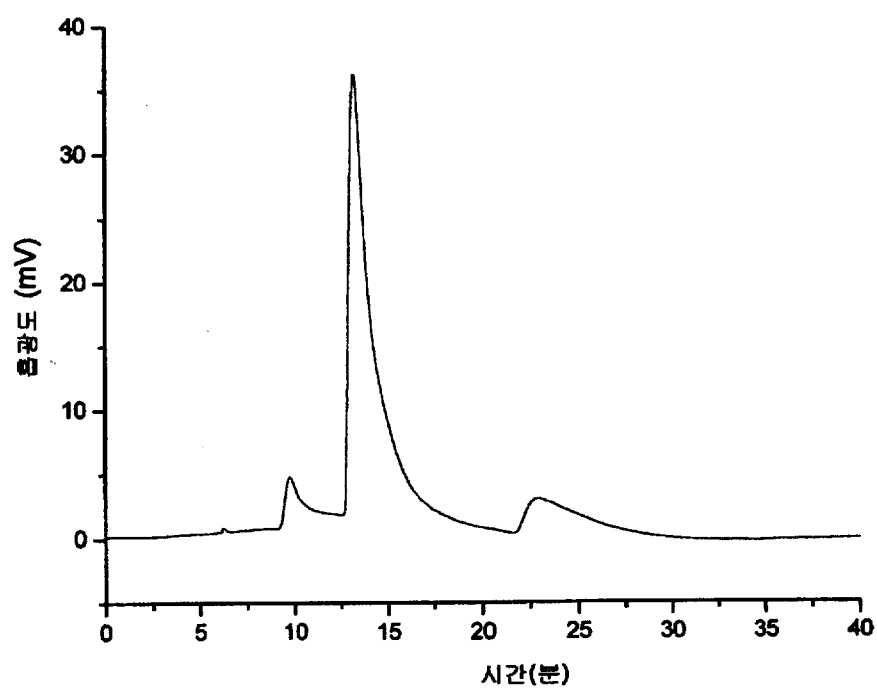
[Fig. 37]



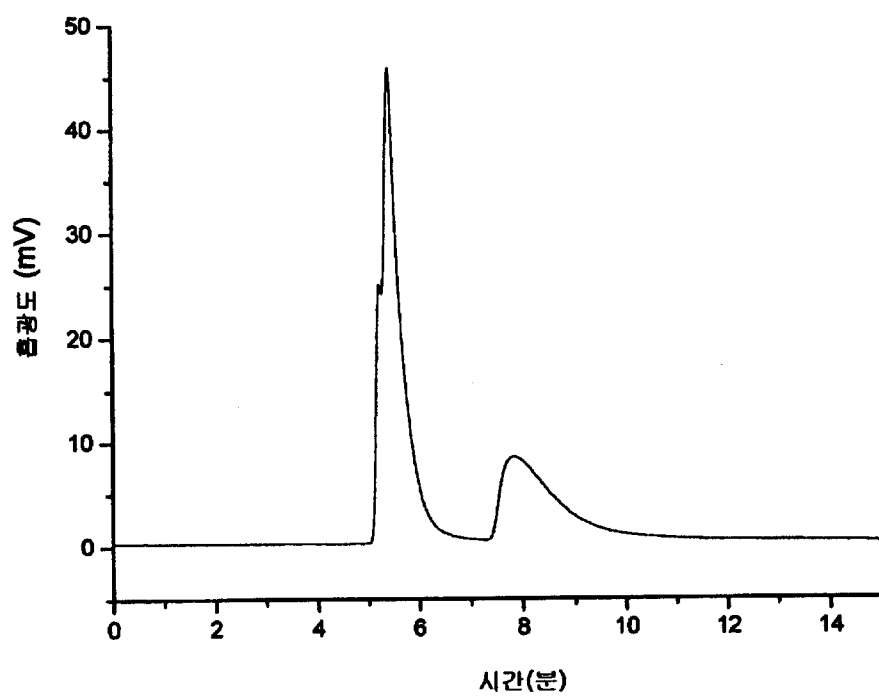
[Fig. 38]



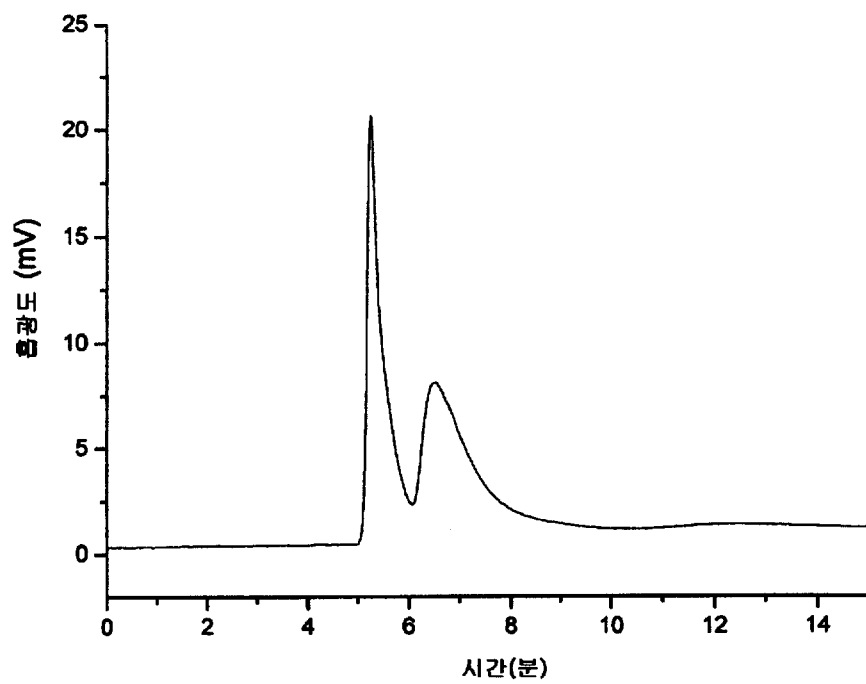
[Fig. 39]



[Fig. 40]



[Fig. 41]



[Fig. 42]

