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## 천연 쪽의 순수 염료 개발

정인모, 김현복, 성규병, 김영대, 홍인표

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In order to make pure dyestuff extract from *polygonum tinctoria*, we tried to traditionally-using cockle shell which the extracted water should be filtered in indigo for 8 hours and at the 40°C, and 4.0 pH. The 1.631g of powder dye could be produced when the 10.0 ml of aqueous ammonia was added into the solution, which had been filtered for 8 hours with the 300g of indigo plant and the 2.5 ℓ of water. The main components of two mated -dye which has traditionally made of this and has purely made of that compared by TLC, HPLC, LC/MC techniques. Finally, the antibacterial activities and deodorization ratio of silk fabrics with natural indigo were carried out, too.

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key words : Pure pigment, Natural indigo, HPLC , TLC, Silke fabric