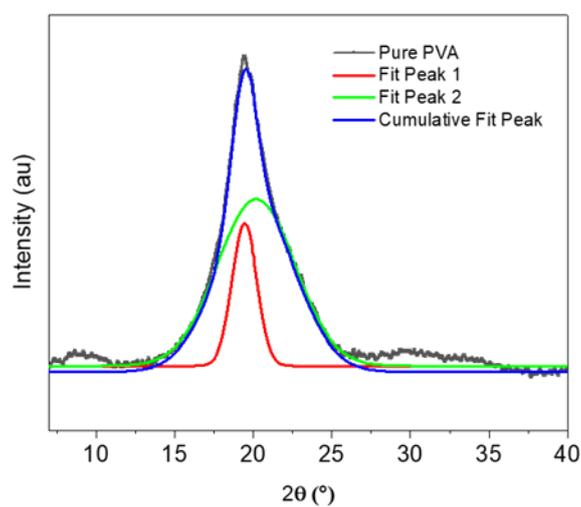


## Supplementary Materials

# Transparent Ultraviolet (UV)-shielding films made from waste hemp hurd and Polyvinyl Alcohol (PVA)

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**Figure S1.** The deconvolution of XRD patterns of pure PVA film