

TITLE**Anti-fouling And Semi-permeable Membrane**ABSTRACT

The present invention relates to an anti-fouling, semi-
5 permeable membrane comprising a porous support layer, a thin
film composite (TFC) layer formed on a surface of the support
layer, and a cross-linked polyvinyl alcohol (PVA) layer formed
on top of the TFC layer, wherein the cross-linked PVA layer
is the reaction product of PVA and a cross-linking agent,
10 said cross-linking agent being a polybasic acid comprising
three or more acid groups or precursors thereof.

The obtained membrane shows a high water flux and a low
roughness suitable for an effective membrane notable for feed
15 solution having a tendency of fouling the membrane.

(No suitable figure)