

Abstract of the Invention

Solvent Resistant Nanofiltration Membranes

The present invention relates to a nanofilter formed by using a porous
5 ultrafiltration membrane as a precursor, and carefully controlling reaction conditions so
as to maintain sufficient hydrophilic nature of the membrane while causing the pore
structure to close to a nanofilter range (less than 400Daltons), This produces a solvent
stable cellulose nanofiltration membrane capable of operating at satisfactory flux in
aqueous solutions, and being low binding to organic biomaterials.