

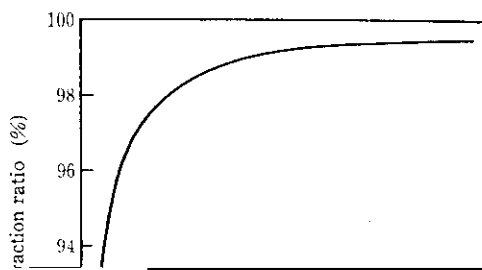
A Novel Process for Tar-Base and Indole Separation from Coal Tar*

Synopsis:

Table 1 An example of wash oil composition

indole, and then performing hydrolysis on the salt

solvent to remove oily residue components, and neutralized with alkali to form a water-soluble component layer and crude quinoline layer, which was rectified to isolate purified quinoline, isoquinoline and quinaldine with high yields. The oil layer, in which indole and neutral components such as methylnaphthalene are contained, was reacted with hydrochloric acid, producing solid indole oligomer, which was filtered out of the liquid-



tity of recrystallization solvent used increased. As the diameter of solid indole crystals increased, the amount of mother liquor which adhered to the indole crystals

distillation conditions.

A commercial plant based on the above-described process was constructed at the Mizushima Works. A