

Reformate Hydrotreatment Method

Abstract

Provided is a reformate hydrotreatment method, the method comprising: under liquid phase hydrotreatment conditions, bringing the reformate and a catalyst having a catalytic hydrogenation effect into contact in a hydrogenation reactor, the hydrogen used in the hydrotreating process at least partially coming from the hydrogen dissolved in the reformate. According to the method of the present invention, the reformate separated from a reformate products separating tank can directly undergo liquid phase hydrotreatment; therefore not only can the hydrogen dissolved in the reformate be fully utilized, but the olefins in the reformate can also be removed, while eliminate the requirements for recycle hydrogen and a recycle device thereof. The reformate obtained by the method of the present invention reduces the bromine index to below 50 mgBr₂/100g, and has an arene loss of less than 0.5wt%.

[Figure 5]