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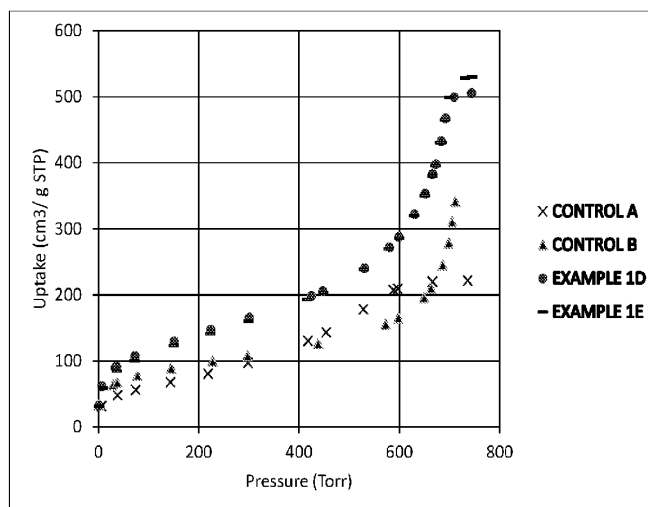
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(54) Title: PROCESS AND PRODUCTS FOR REMOVAL OF CONTAMINANTS IN LIQUID COMPOSITIONS

FIG. 1



(57) Abstract: Functionalized polymer adsorbents for removing impurities from a feed stream comprising an active pharmaceutical ingredient (API) include particles of functionalized with at least one functional moiety capable of binding one or more contaminants, the polymer being a macroreticular polymer and the functionalized polymer adsorbents having a pore volume of at least 0.65 cm³/g. Alternatively, the adsorbent can comprise a polymer functionalized with either 2,4,6,-dimercaptotriazine-ethylenedithiol (DMT-EDT) adduct, 2,4,6,-trimercaptotriazine-ethylenedithiol (TMT-EDT) adduct, or a combination thereof, and the polymer can be either a macroreticular polymer or a swellable polymer. The adsorbents can be used in either continuous or batch processes for removing contaminants from an API-containing feed stream wherein the contaminants can include elemental impurities, particularly palladium.

[Continued on next page]

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