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Title: Adsorption characteristics of adsorbent resins and antioxidant capacity for enrichment of phenolics from two-phase olive waste

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Highlights

XDA-1 and NKA- II had similar adsorption behavior of phenolics from olive waste.

Adsorption process was fitted to Pseudo second-order and Freundlich model.

The physical adsorption process was spontaneous and exothermic.

Antioxidant-related phenolic compounds were enriched by gradient elution.

The compositions of phenolics were determined by the RP-HPLC-DAD.

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