

Title (en)
METHOD FOR ADSORBING TOXIC SUBSTANCES, ESPECIALLY MYCOTOXINS, DURING THE PRODUCTION OF FOODSTUFFS FOR HUMAN CONSUMPTION OR ANIMAL FEED

Title (de)
VERFAHREN ZUM ADSORBIEREN VON TOXISCHEN SUBSTANZEN, INSBESONDERE MYCOTOXINEN, BEI DER HERSTELLUNG VON HUMAN-NAHRUNGS- ODER TIERFUTTERMITTELN

Title (fr)
PROCEDE POUR ADSORBER DES SUBSTANCES TOXIQUES, NOTAMMENT DES MYCOTOXINES, LORS DE LA FABRICATION D'ALIMENTS POUR L'HOMME OU POUR LE BETAIL

Publication
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Application
EP 99950324 A 19990514

Priority
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• EP 9903341 W 19990514

Abstract (en)
[origin: DE19821509A1] Toxic substances (especially mycotoxins) are adsorbed during production of human- or animal-foodstuffs by contacting with natural and/or synthetic zeolites in powder or powder/granulate form. Adsorption of toxic substances (especially mycotoxins) in the production of human or animal foodstuffs is effected by mixing the food starting materials in dry or dispersion form with an aqueous medium containing 0.1-10 (especially 0.8-1.2) wt. %, based on food weight of a natural and/or synthetic zeolite or zeolite mineral in powder or powder/granulate form, followed by separating-off the required amount of the aqueous medium after a contact time of 1-8 (preferably 2-5) hours to give the desired moisture content and, finally, granulating or form-pressing the product. There are also Independent claims for: (a) use of the above zeolites in the adsorption during food production of toxins, especially mycotoxins, certain aflatoxins (e.g. aflatoxins B1, B2, G1 and G2), fumonisins or zearalenones; and (b) foods obtained by the above method.

IPC 1-7
A23K 1/175; A23L 1/015; A23L 1/211

IPC 8 full level
A23K 1/175 (2006.01); **A23K 20/28** (2016.01); **A23L 1/015** (2006.01); **A23L 1/211** (2006.01); **A23L 5/20** (2016.01); **A23L 11/30** (2016.01)

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