

University of Groningen

Ontkleuring en adsorptie in de glucose- en suikerindustrie met behulp van kunstharsen

Meijer, H. W.

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version

Publisher's PDF, also known as Version of record

Publication date:

1942

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Meijer, H. W. (1942). *Ontkleuring en adsorptie in de glucose- en suikerindustrie met behulp van kunstharsen*. De Waal.

Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

S U M M A R Y.

This thesis deals with the so far unknown possibility of using certain synthetic resins under special precautions as a decolorising substance, and, generally, as an adsorbens.

In general it can be stated that all synthetic resins which can be made in water in a gelatinised state, have a more or less pronounced decolorising power, whereas this power can be influenced in a rather astonishing way.

There are four main influences:

- 1st. the type of resin used.
- 2nd. the amount of water, wherein gelatination of said resin takes place.
- 3rd. The introduction of different groups, either during before or after the condensation.
- 4th. that caused by drying the resins.

In fact there is given the means to come to a true insight into the properties, which stipulate the real adsorption of an adsorbens, as the properties of the adsorbens can be altered systematically through substitution of different groups.

Sofar as these resins have to be regenerated, they have to be resistant to the regeneration liquids that means acid and lye.

Commercially these resins are considerable cheaper in use than all other decolorising substances up to this time, as the regeneration is an easy and cheap performance, which can be repeated to an unlimited number of times.

Not only do the prescribed resins take away organic coloured matter, but also scent and smell giving bodies.

The thesis was restricted to practical appliance for sugar-and glucose solutions.
