

Accepted Manuscript

Title: Stability mechanism of O/W Pickering emulsions stabilized with regenerated cellulose

Authors: Zhe Li, Hairong Wu, Meng Yang, Derong Xu, Jun Chen, Haishun Feng, Yao Lu, Liming Zhang, Yang Yu, Wanli Kang



PII: S0144-8617(17)31236-5
DOI: <https://doi.org/10.1016/j.carbpol.2017.10.080>
Reference: CARP 12929

To appear in:

Received date: 5-4-2017
Revised date: 15-9-2017
Accepted date: 22-10-2017

Please cite this article as: Li, Zhe., Wu, Hairong., Yang, Meng., Xu, Derong., Chen, Jun., Feng, Haishun., Lu, Yao., Zhang, Liming., Yu, Yang., & Kang, Wanli., Stability mechanism of O/W Pickering emulsions stabilized with regenerated cellulose. *Carbohydrate Polymers* <https://doi.org/10.1016/j.carbpol.2017.10.080>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Stability mechanism of O/W Pickering emulsions stabilized with regenerated cellulose

Zhe Li^{a, §}, Hairong Wu^{a, *, §}, Meng Yang^a, Derong Xu^a, Jun Chen^a, Haishun Feng^a, Yao
Lu^a, Liming Zhang^a, Yang Yu^a, Wanli Kang^{a, b, *}

^a Institute of Enhanced Oil Recovery, China University of Petroleum (Beijing), Beijing 102249,
PR China

^b School of petroleum Engineering, China University of Petroleum (East China), Qingdao 266580,
PR China

[§] These authors contributed equally to this work.

*E-mail: hrwu@cup.edu.cn, Kangwanli@cup.edu.cn

Highlights

- **. The stabilization mechanism of emulsions was explored by various instrumental methods.**
- **2. The emulsion is gel-like with the aggregation of regenerated cellulose.**
- **3. The emulsion exhibits excellent salt and high temperature resistances.**

Download English Version:

<https://daneshyari.com/en/article/7784471>

Download Persian Version:

<https://daneshyari.com/article/7784471>

[Daneshyari.com](https://daneshyari.com)