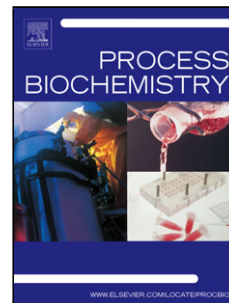


Accepted Manuscript

Title: Back-extraction of butanol from coacervate phase using Winsor III microemulsion

Authors: Atulkumar N. Raut, Preety S. Gedam, Pradip B. Dhamole



PII: S1359-5113(18)30149-1
DOI: <https://doi.org/10.1016/j.procbio.2018.04.011>
Reference: PRBI 11327

To appear in: *Process Biochemistry*

Received date: 26-1-2018
Revised date: 16-3-2018
Accepted date: 18-4-2018

Please cite this article as: Raut Atulkumar N, Gedam Preety S, Dhamole Pradip B. Back-extraction of butanol from coacervate phase using Winsor III microemulsion. *Process Biochemistry* <https://doi.org/10.1016/j.procbio.2018.04.011>

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.

Back-extraction of butanol from coacervate phase using Winsor III microemulsion

Atulkumar N. Raut, Preety S. Gedam, Pradip B. Dhamole*

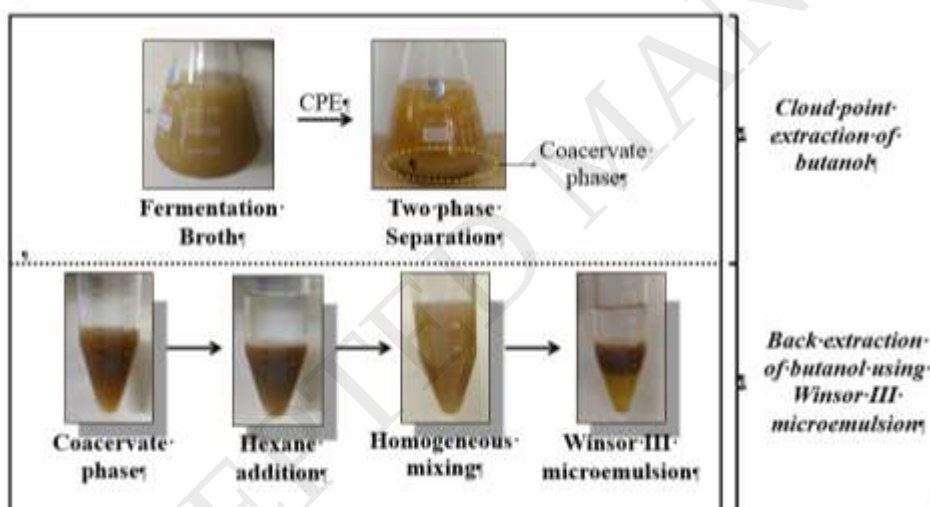
Department of Chemical Engineering, Visvesvaraya National Institute of Technology, South

Ambazari Road, Nagpur, M.S. India 440010

*Corresponding Author: Pradip B. Dhamole, Tel: +91-712-280-1788; email:

pdhamole@che.vnit.ac.in, pradipdhamole@gmail.com

Graphical Abstract



Highlights:

- Back-extraction efficiency achieved for butanol 94.6 - 99.7% (w/v)
- Back-extraction efficiency achieved for L62 97.9 - 99.9% (wt%)
- Surfactant was successfully reused for 3 runs without affecting its performance
- Energy requirement was 4-5 times less than the conventional distillation.

Download English Version:

<https://daneshyari.com/en/article/6495095>

Download Persian Version:

<https://daneshyari.com/article/6495095>

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