

Accepted Manuscript

Competing for Water: A New Approach to Understand Disintegrant Performance

Nadin Ekmekciyan, Tugce Tuglu, Firas El-Saleh, Christian Muehlenfeld, Edmont Stoyanov, Julian Quodbach

PII: S0378-5173(18)30491-5
DOI: <https://doi.org/10.1016/j.ijpharm.2018.07.025>
Reference: IJP 17641

To appear in: *International Journal of Pharmaceutics*

Received Date: 15 May 2018
Revised Date: 4 July 2018
Accepted Date: 5 July 2018

Please cite this article as: N. Ekmekciyan, T. Tuglu, F. El-Saleh, C. Muehlenfeld, E. Stoyanov, J. Quodbach, Competing for Water: A New Approach to Understand Disintegrant Performance, *International Journal of Pharmaceutics* (2018), doi: <https://doi.org/10.1016/j.ijpharm.2018.07.025>

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.



Competing for Water: A New Approach to Understand Disintegrant Performance

Nadin Ekmekciyan¹, Tugce Tuglu¹, Firas El-Saleh², Christian Muehlenfeld², Edmont Stoyanov², Julian Quodbach^{3*}

¹Ashland Specialty Ingredients, Kumlu Street 2, Beykoz, Istanbul, Turkey

²Ashland Industries Deutschland GmbH, Paul-Thomas-Straße 56, Düsseldorf, Germany

³Institute of Pharmaceutics and Biopharmaceutics, Heinrich Heine University Duesseldorf, Duesseldorf, Germany

*corresponding author:

Dr. Julian Quodbach

Institute of Pharmaceutics and Biopharmaceutics, Heinrich Heine University Duesseldorf, Universitaetsstrasse 1, 40225 Duesseldorf, Germany, tel. + 49 (0) 211 81 14385, fax. +49 (0) 211 81 14251, julian.quodbach@hhu.de

Abbreviations

CCS	croscarmellose sodium
DCP	dibasic calcium phosphate
EC	ethyl cellulose
HPC	hydroxypropyl cellulose
MCC	microcrystalline cellulose
PVP	polyvinylpyrrolidone
PVP/VA	polyvinylpyrrolidone/vinyl acetate copolymer
SSG	sodium starch glycolate
TPI	Terahertz pulsed imaging
XPVP	crospovidone

Download English Version:

<https://daneshyari.com/en/article/8519636>

Download Persian Version:

<https://daneshyari.com/article/8519636>

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