### 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

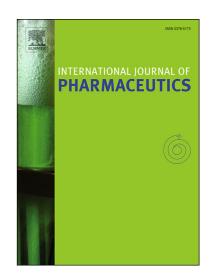
PII: S0378-5173(18)30491-5

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.

## **ACCEPTED MANUSCRIPT**

#### Competing for Water: A New Approach to Understand Disintegrant Performance

Nadin Ekmekciyan<sup>1</sup>, Tugce Tuglu<sup>1</sup>, Firas El-Saleh<sup>2</sup>, Christian Muehlenfeld<sup>2</sup>, Edmont Stoyanov<sup>2</sup>, Julian Quodbach<sup>3</sup>\*

#### \*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

<sup>&</sup>lt;sup>1</sup>Ashland Specialty Ingredients, Kumlu Street 2, Beykoz, Istanbul, Turkey

<sup>&</sup>lt;sup>2</sup>Ashland Industries Deutschland GmbH, Paul-Thomas-Straße 56, Düsseldorf, Germany

<sup>&</sup>lt;sup>3</sup>Institute of Pharmaceutics and Biopharmaceutics, Heinrich Heine University Duesseldorf, Duesseldorf, Germany

#### Download English Version:

# https://daneshyari.com/en/article/8519636

Download Persian Version:

https://daneshyari.com/article/8519636

<u>Daneshyari.com</u>