

## Article

# Variability of the Ball Mill Bond's Standard Test in a Ta Ore Due to the Lack of Standardization

Gloria González García <sup>1</sup>, Alfredo L. Coello-Velázquez <sup>2</sup>, Begoña Fernández Pérez <sup>1</sup>  
and Juan M. Menéndez-Aguado <sup>1,\*</sup>

<sup>1</sup> Escuela Politécnica de Mieres, Universidad de Oviedo, C/Gonzalo Gutiérrez Quirós, 33600 Mieres, Asturias, Spain; gloria.glez.gcia@gmail.com (G.G.G.), fernandezbegona@uniovi.es (B.F.P.)

<sup>2</sup> CETAM, Universidad de Moa Dr. Antonio Núñez Jiménez, Moa, 83300, Cuba; acoello@ismm.edu.cu

\* Correspondence: maguado@uniovi.es; Tel.: +34 985458033

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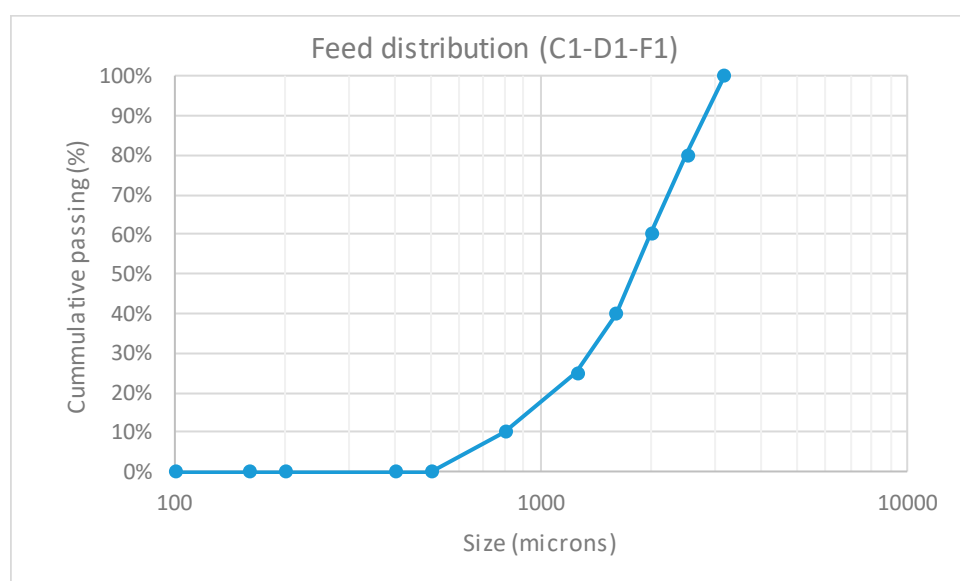
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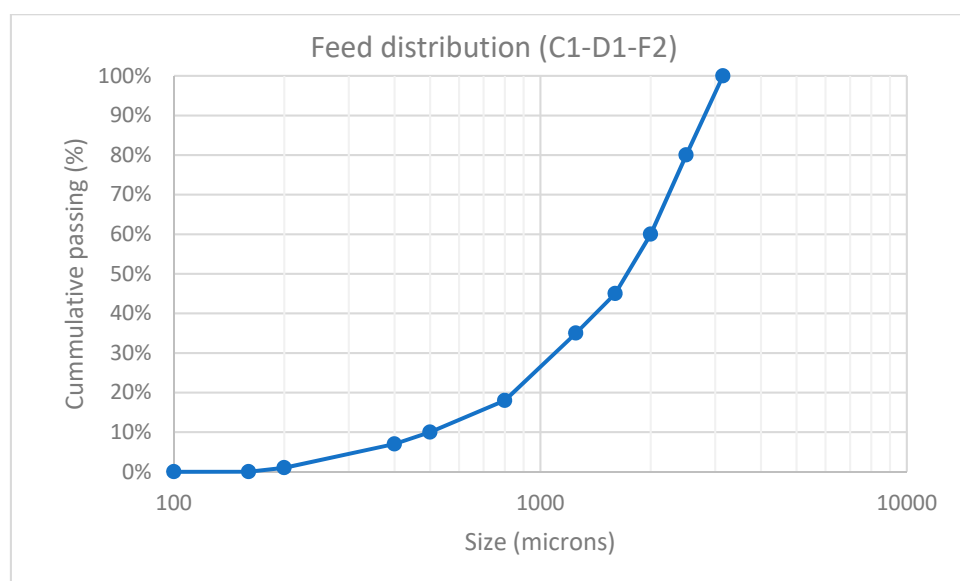
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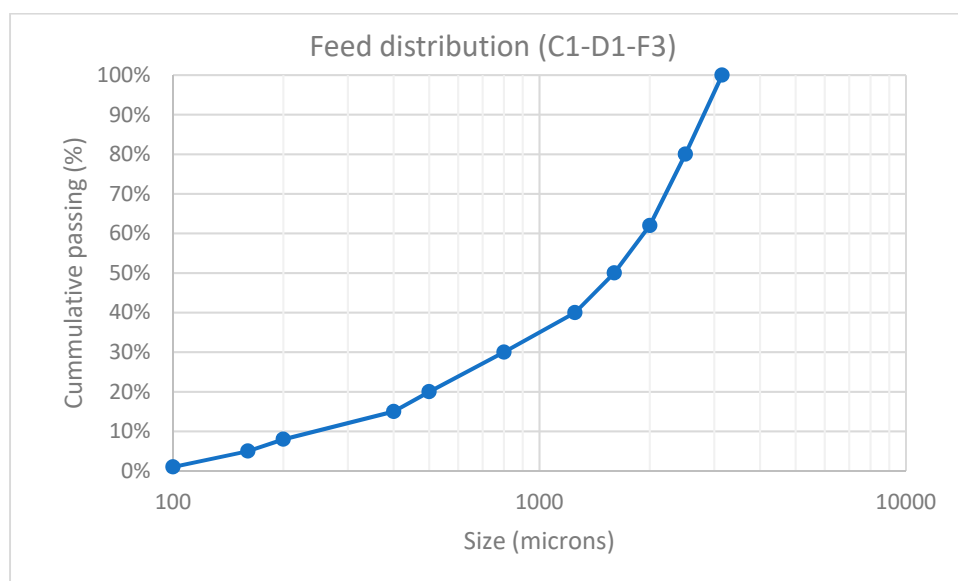
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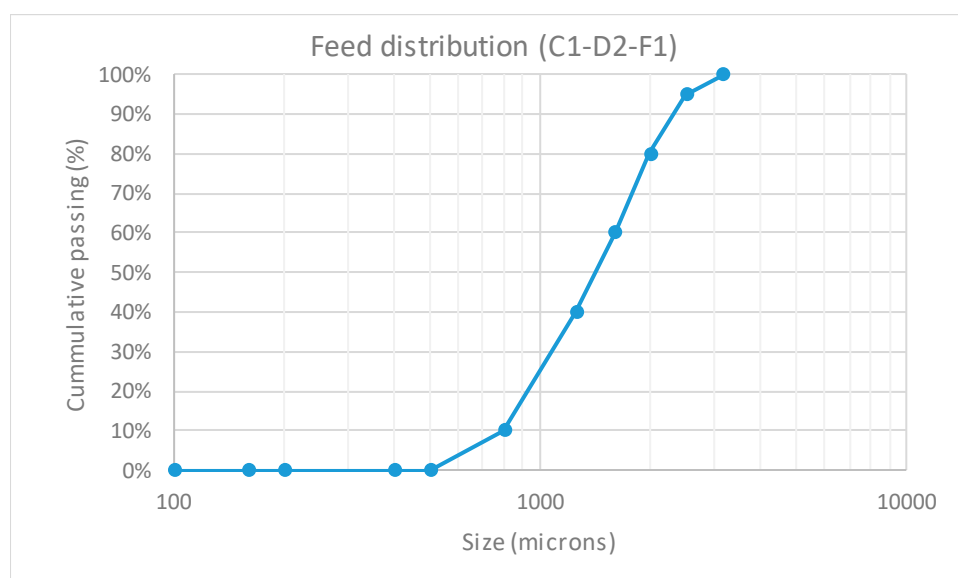
**Figure S1.** Feed PSD, test C1-D1-F1.



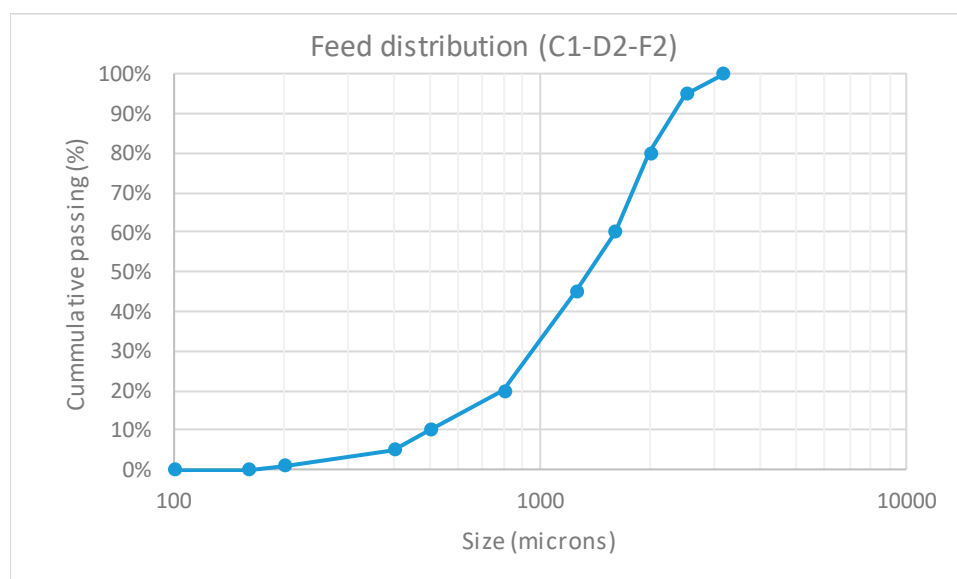
**Figure S2.** Feed PSD, test C1-D1-F2.



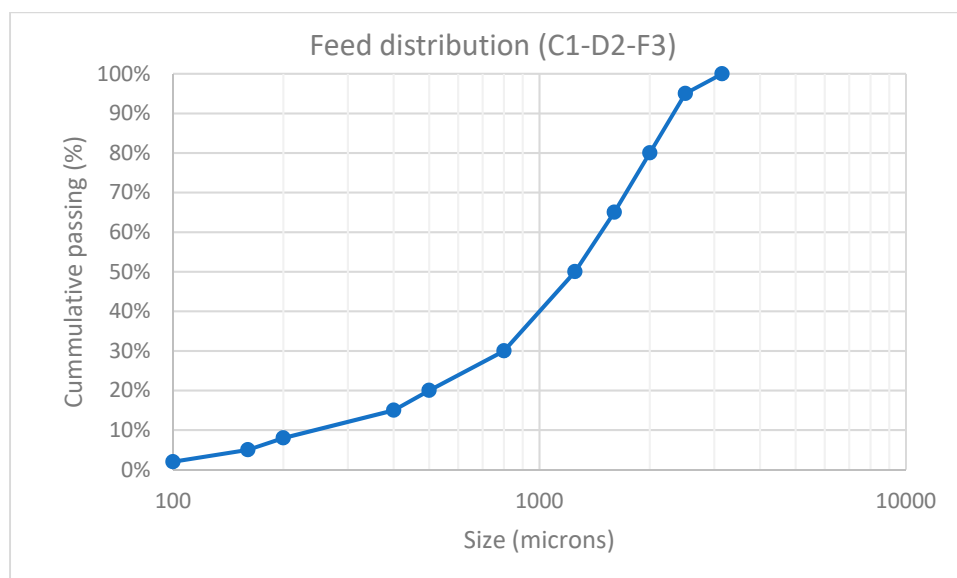
**Figure S3.** Feed PSD, test C1-D1-F3.



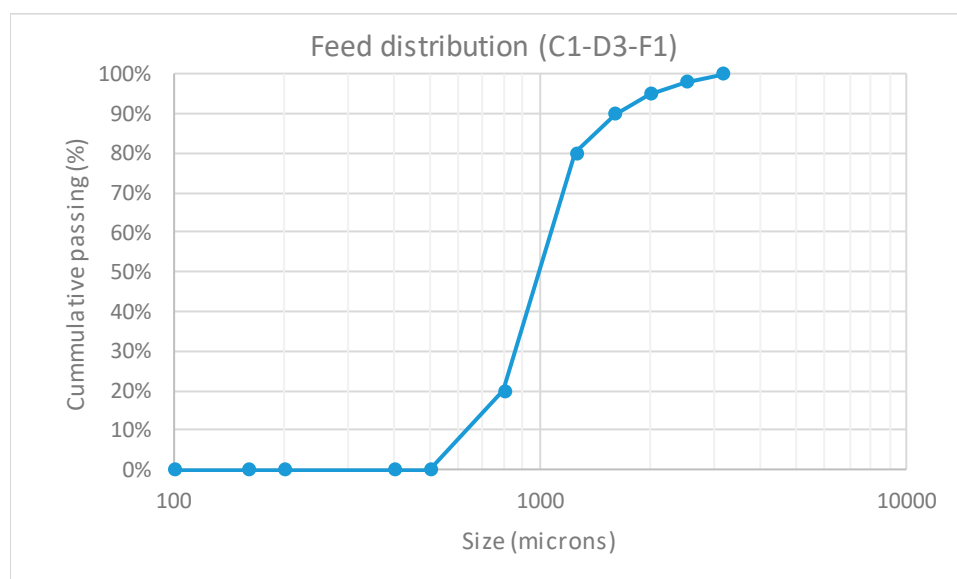
**Figure S4.** Feed PSD, test C1-D2-F1.



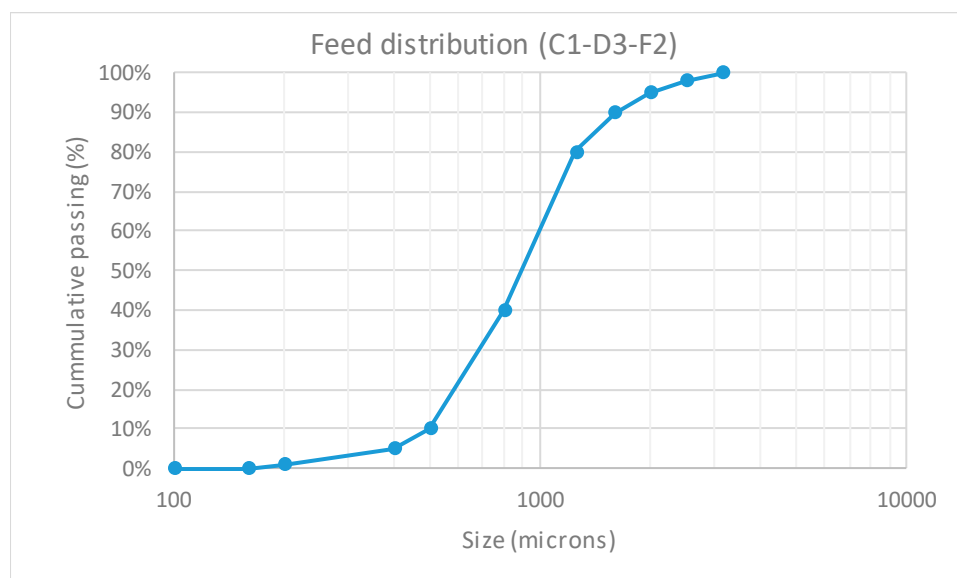
**Figure S5.** Feed PSD, test C1-D2-F2.



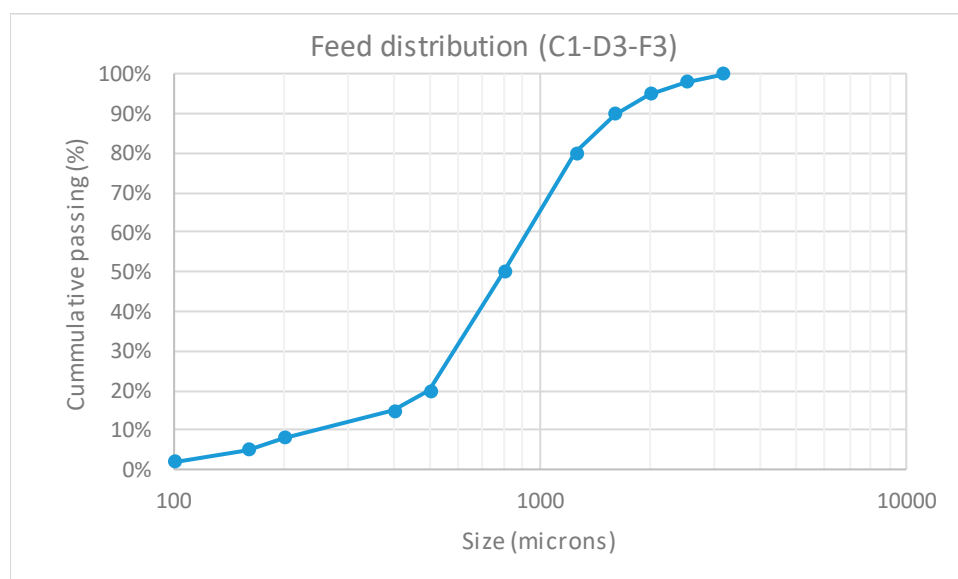
**Figure S6.** Feed PSD, test C1-D2-F3.



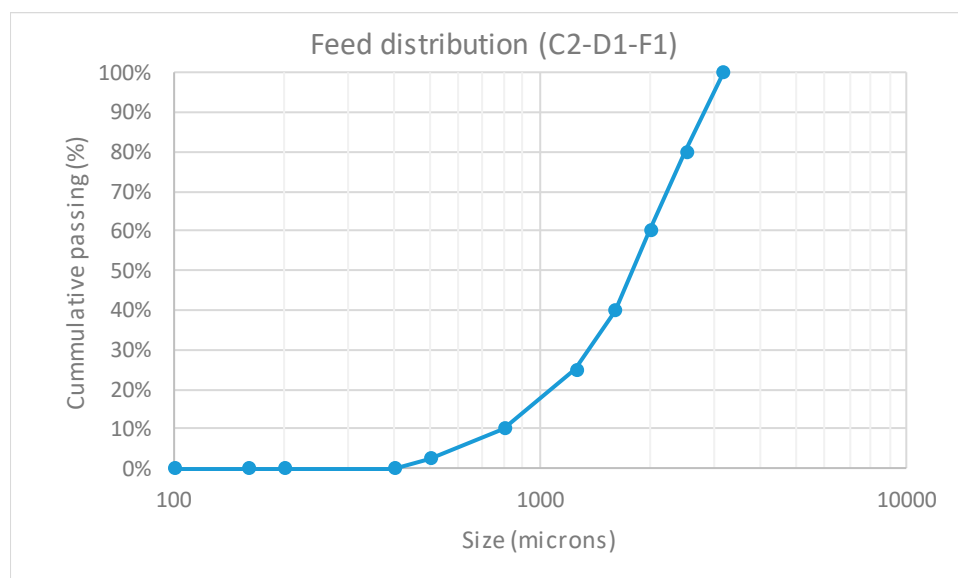
**Figure S7.** Feed PSD, test C1-D3-F1.



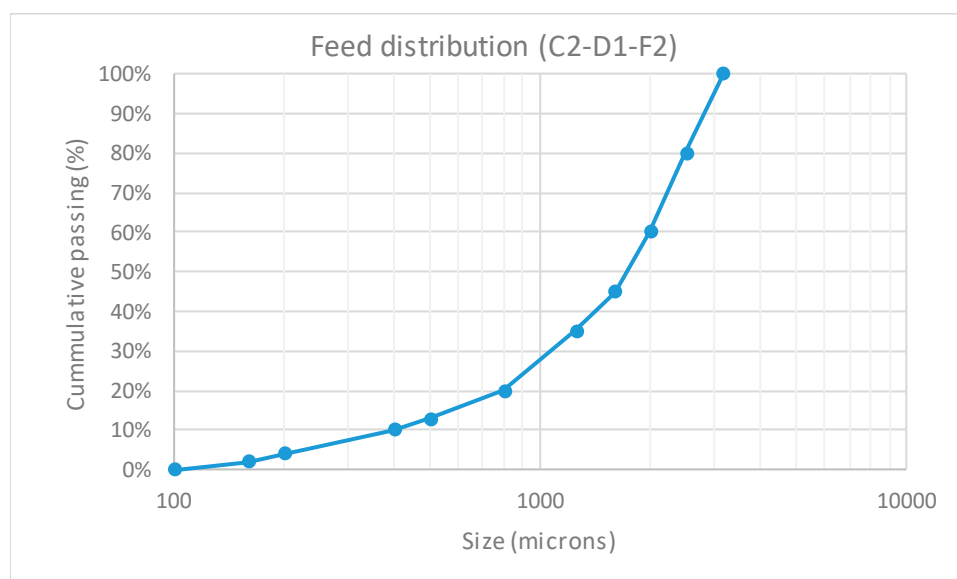
**Figure S8.** Feed PSD, test C1-D3-F2.



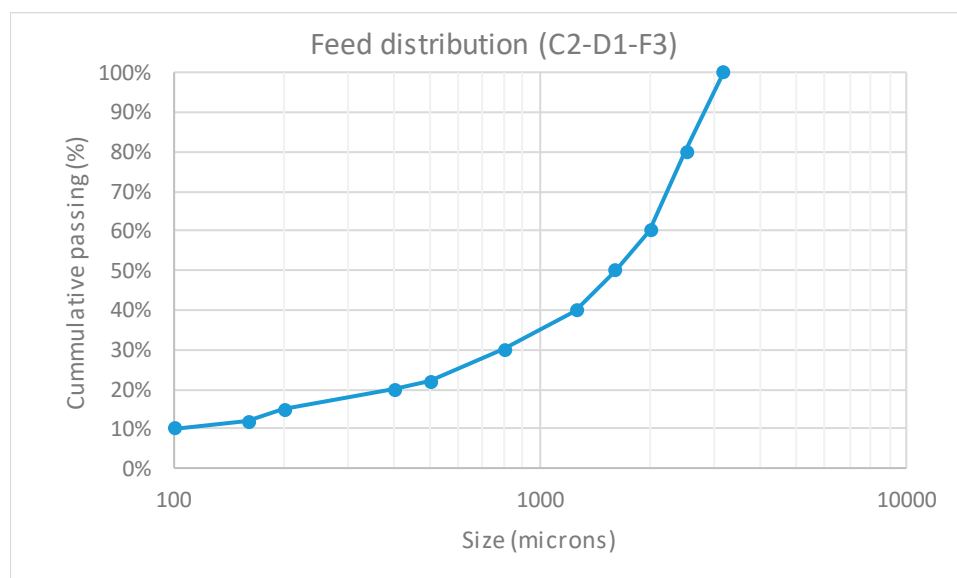
**Figure S9.** Feed PSD, test C1-D3-F3.



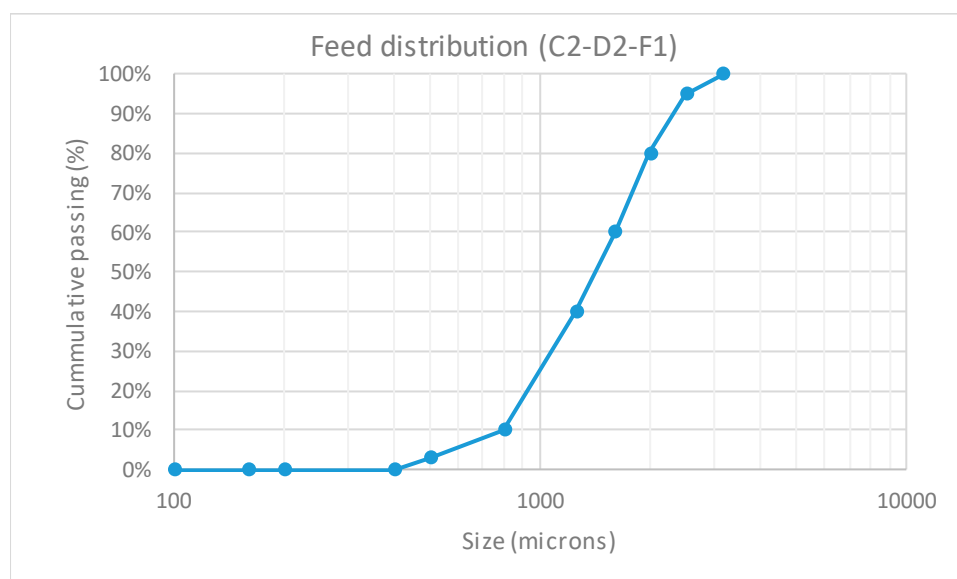
**Figure S10.** Feed PSD, test C2-D1-F1.



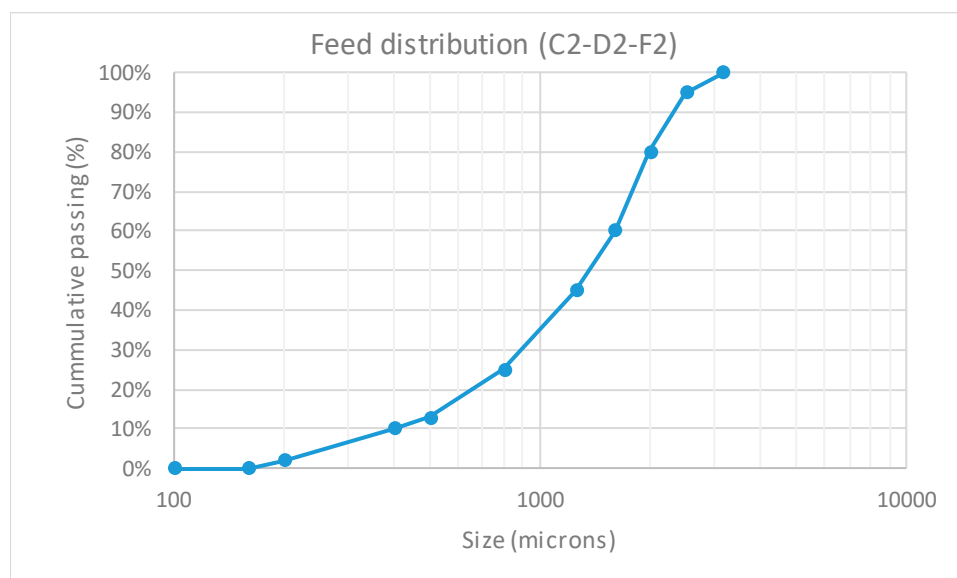
**Figure S11.** Feed PSD, test C2-D1-F2.



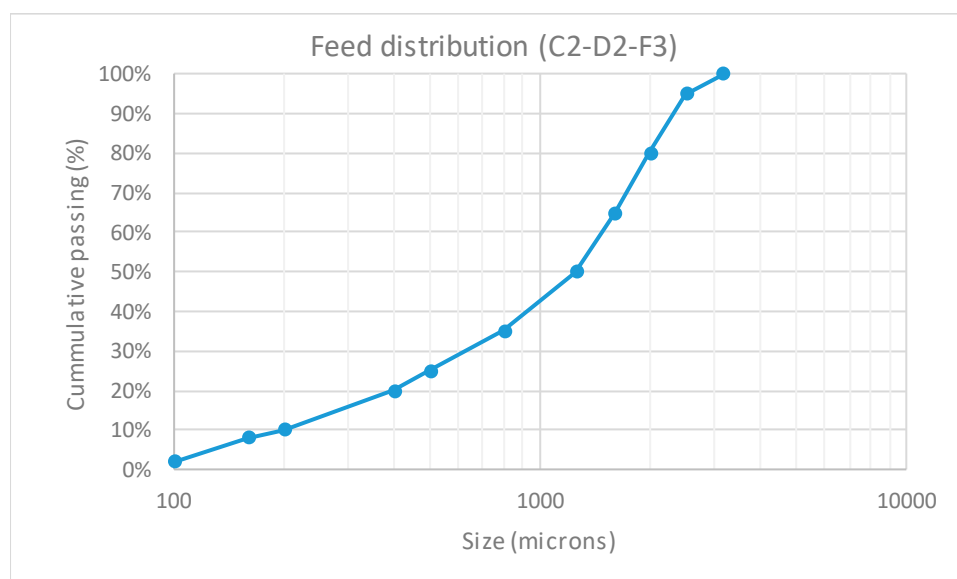
**Figure S12.** Feed PSD, test C2-D1-F3.



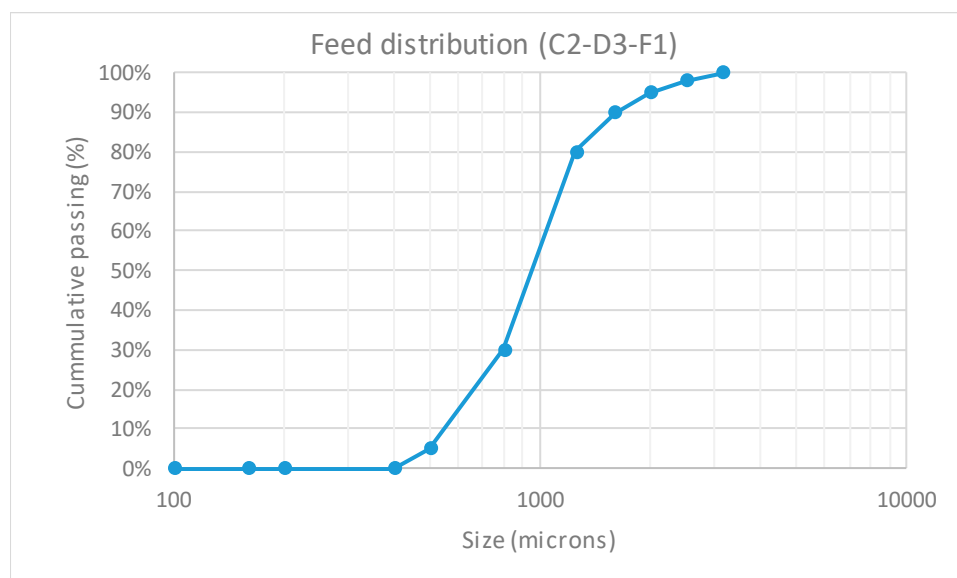
**Figure S13.** Feed PSD, test C2-D2-F1.



**Figure S14.** Feed PSD, test C2-D2-F2.

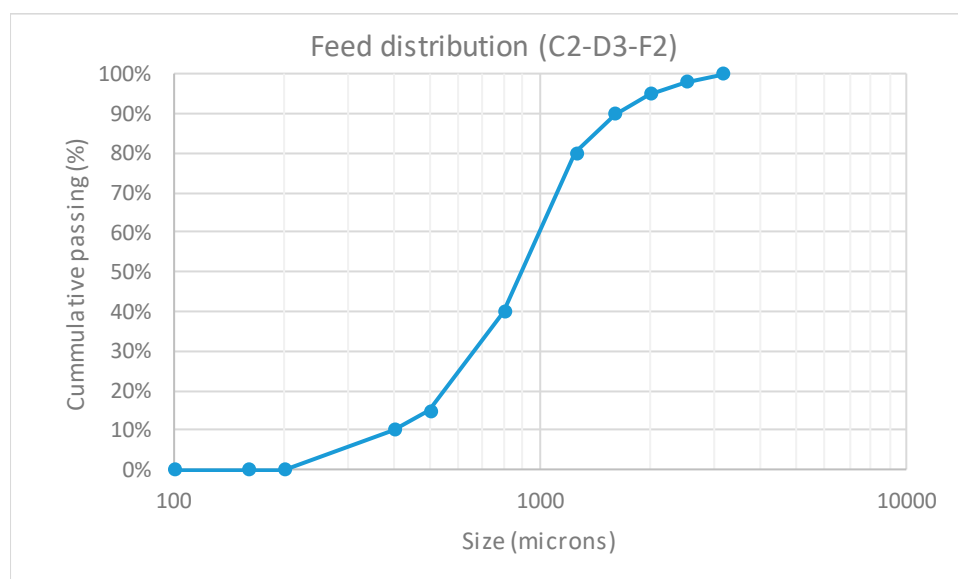


**Figure S15.** Feed PSD, test C2-D2-F3.

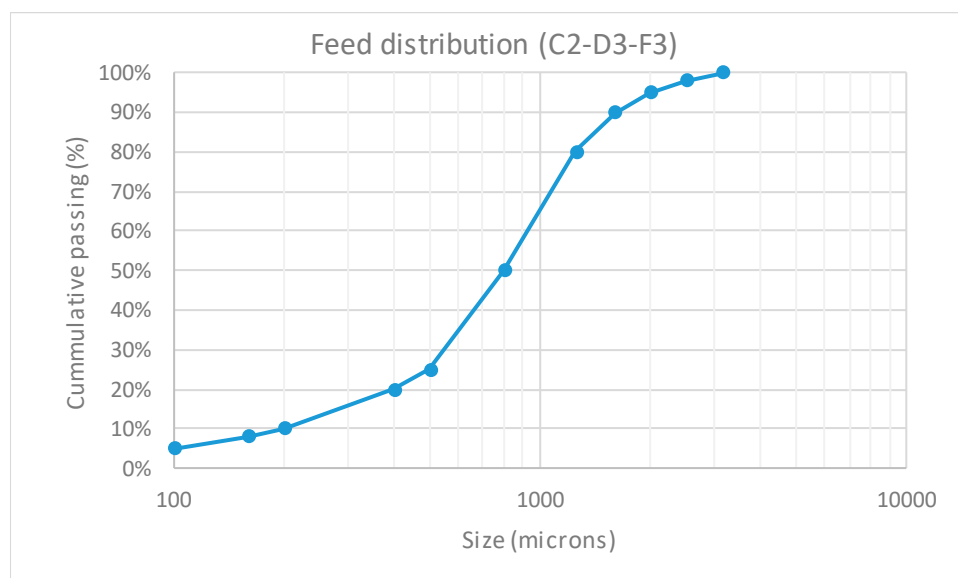


**Figure S16.** Feed PSD, test C2-D3-F1.

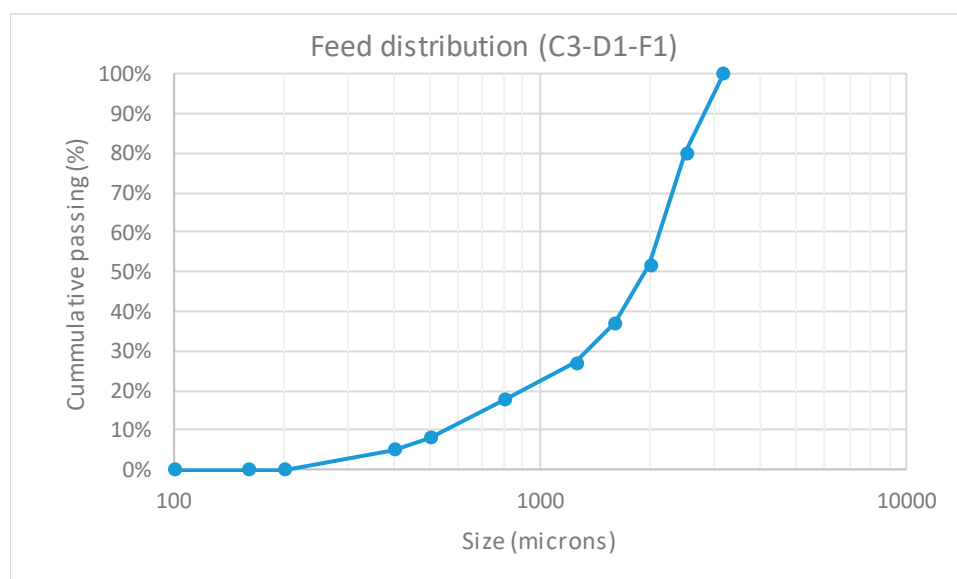




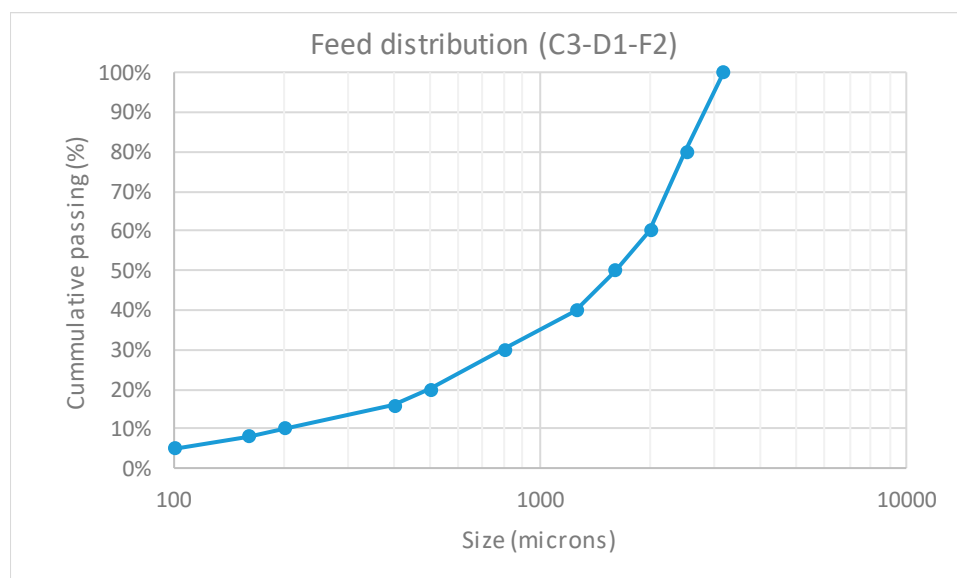
**Figure S17.** Feed PSD, test C2-D3-F2.



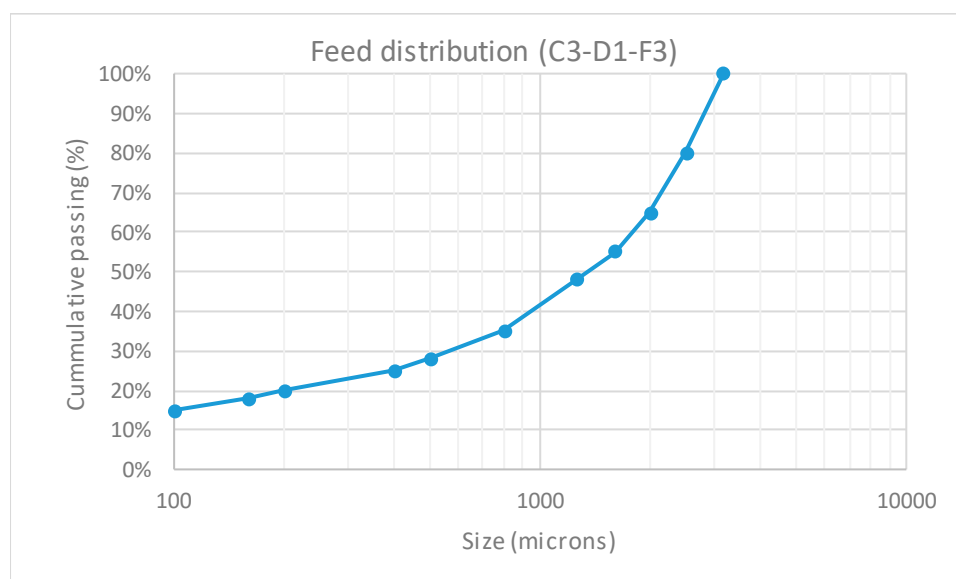
**Figure S18.** Feed PSD, test C2-D3-F3.



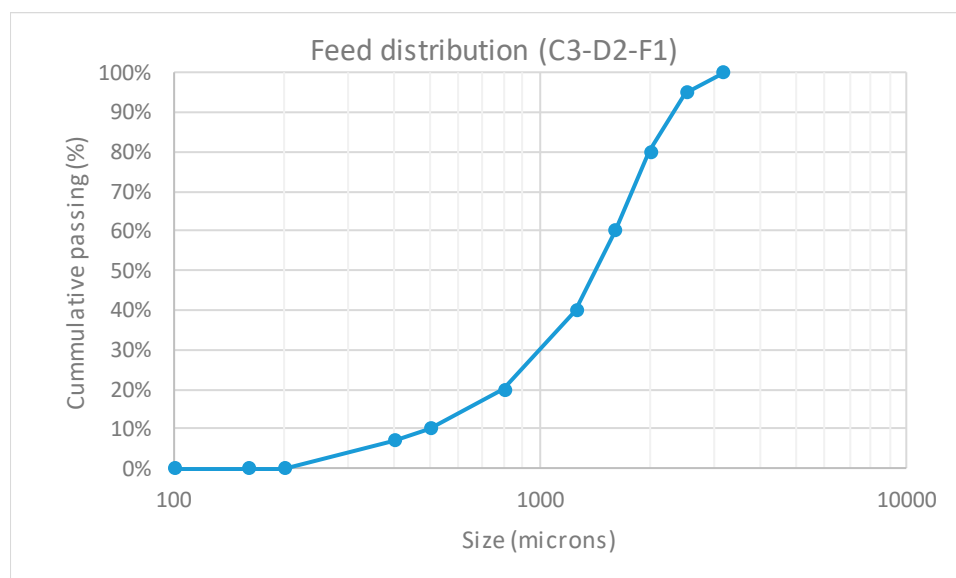
**Figure S19.** Feed PSD, test C3-D1-F1.



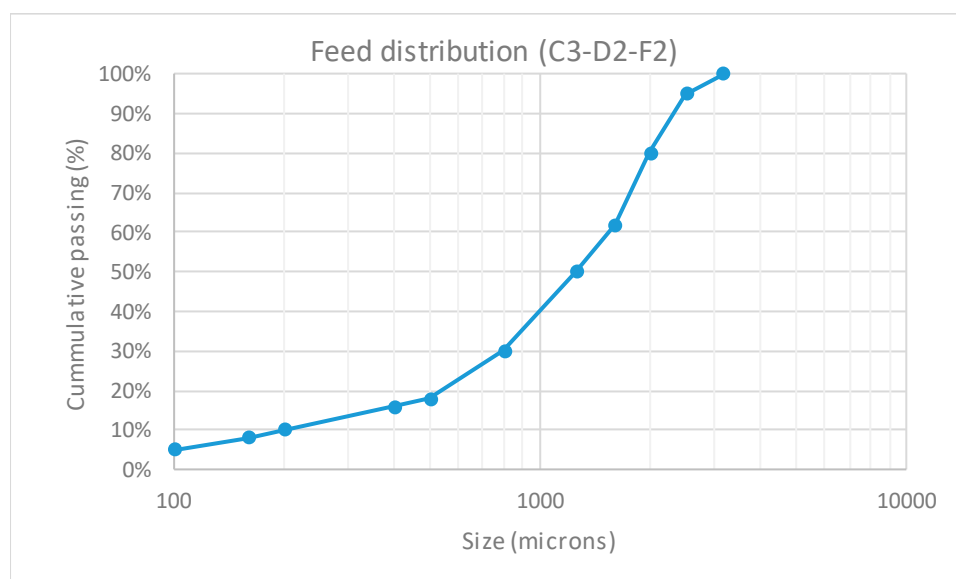
**Figure S20.** Feed PSD, test C3-D1-F2.



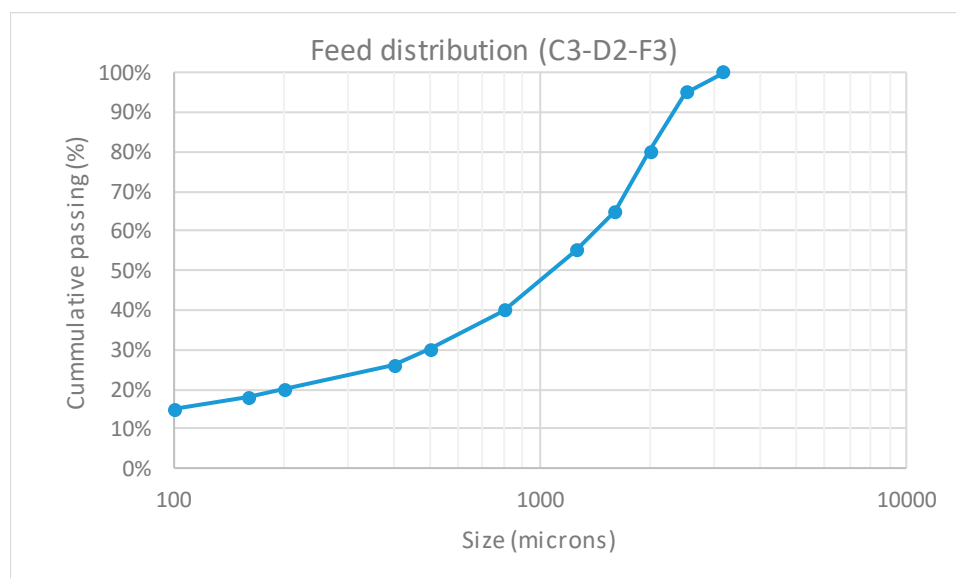
**Figure S21.** Feed PSD, test C3-D1-F3.



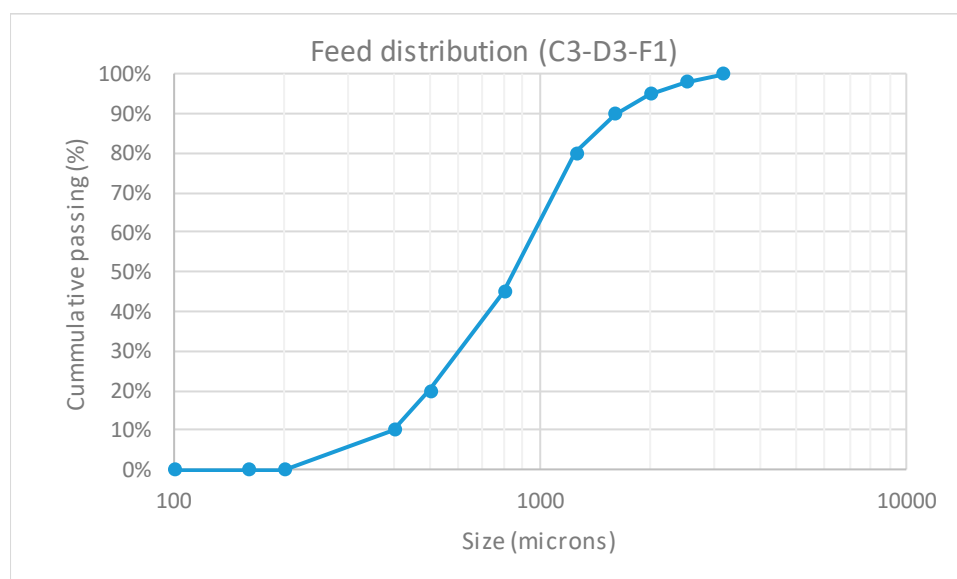
**Figure S22.** Feed PSD, test C3-D2-F1.



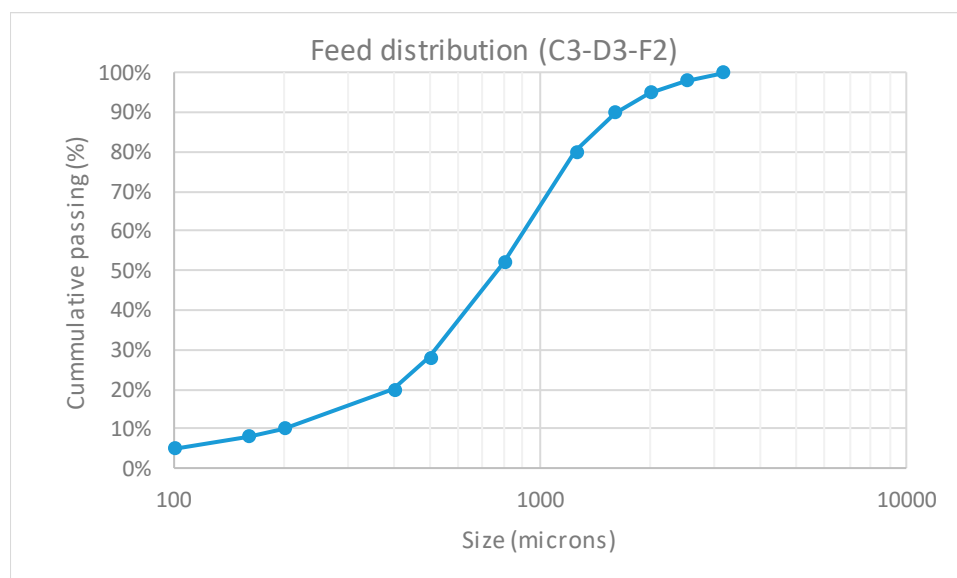
**Figure S23.** Feed PSD, test C3-D2-F2.



**Figure S24.** Feed PSD, test C3-D2-F3.



**Figure S25.** Feed PSD, test C3-D3-F1.



**Figure S26.** Feed PSD, test C3-D3-F2.

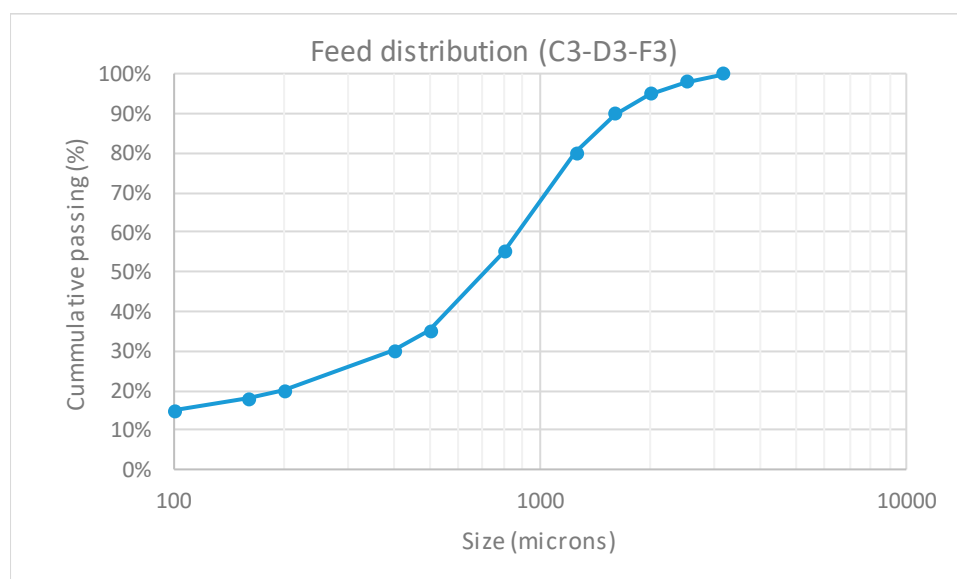


Figure S27. Feed PSD, test C3-D3-F3.

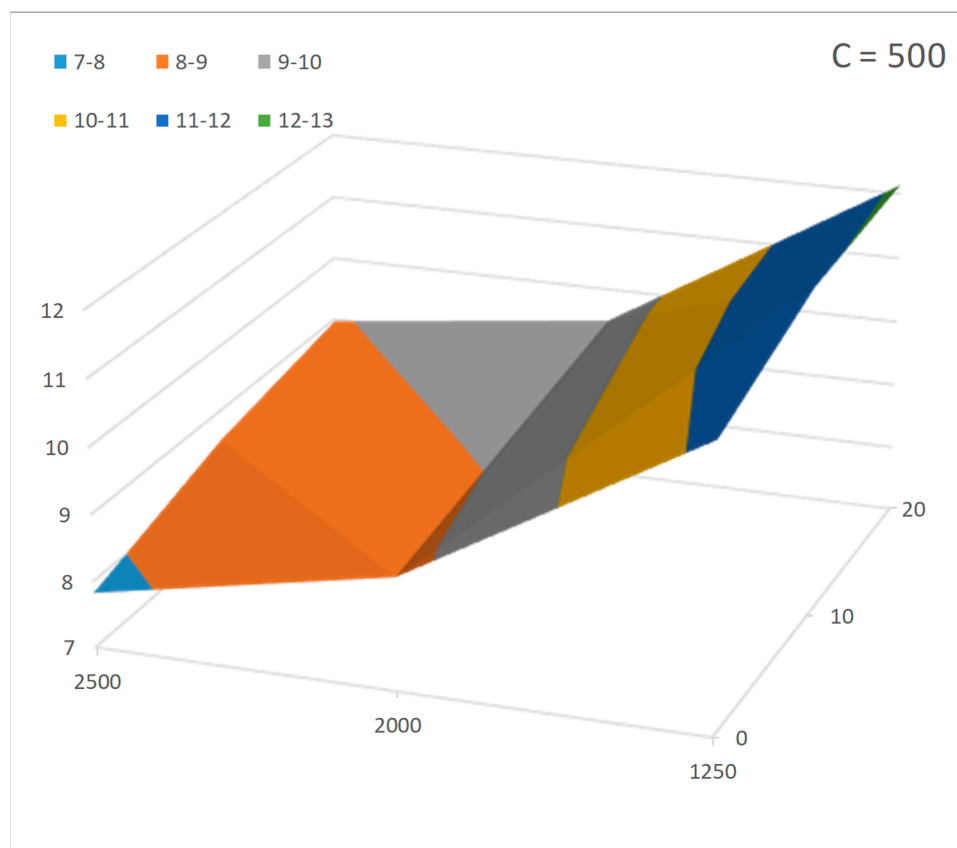


Figure S28. Variability of  $w_i$  [kWh/t] ( $P_{100} = 500 \mu\text{m}$ ).

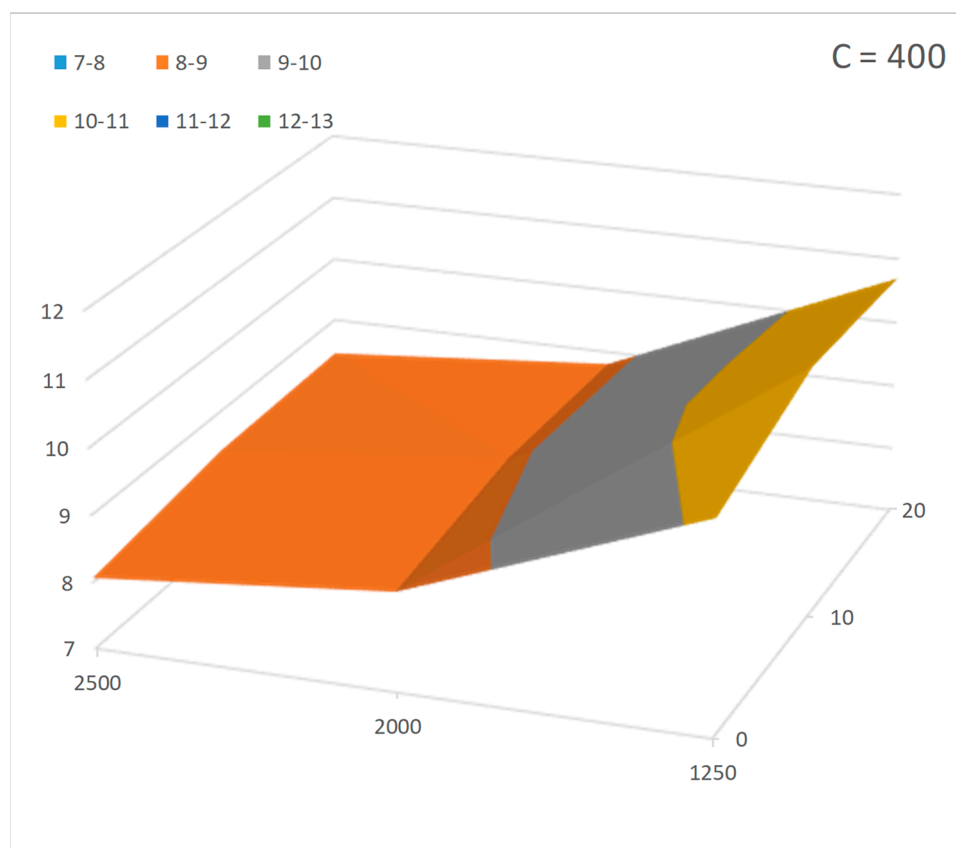


Figure S29. Variability of  $w_i$  [kWh/t] ( $P_{100} = 400 \mu\text{m}$ ).

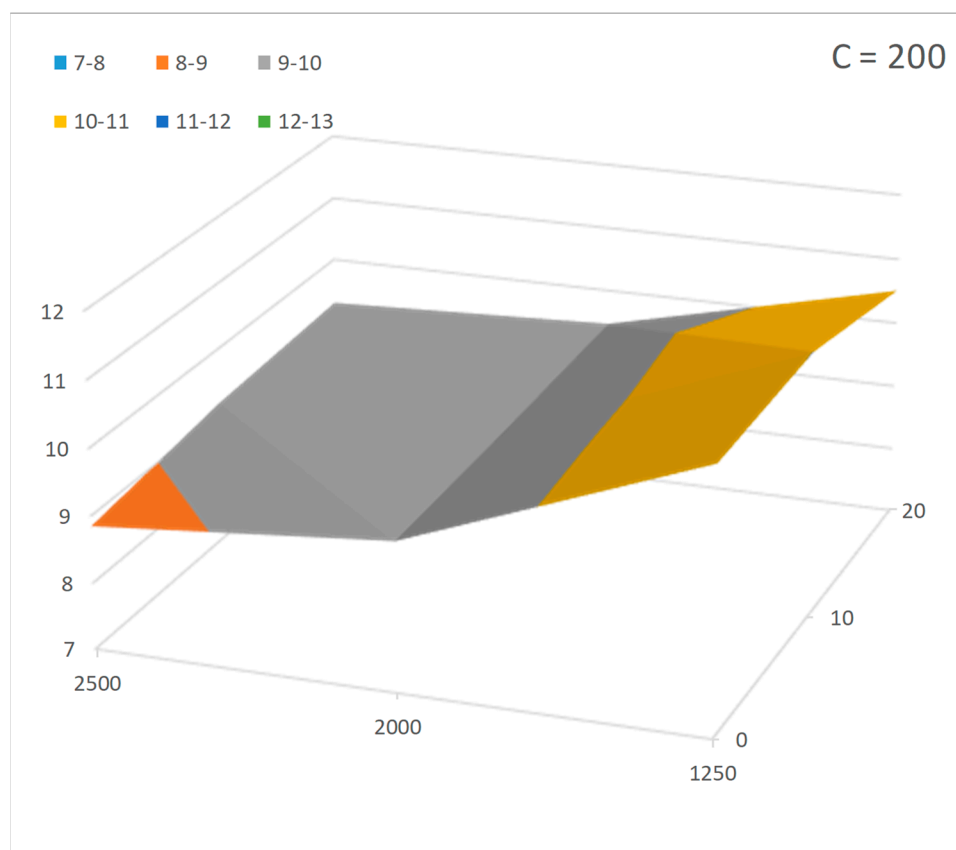


Figure S30. Variability of  $w_i$  [kWh/t] ( $P_{100} = 200 \mu\text{m}$ ).

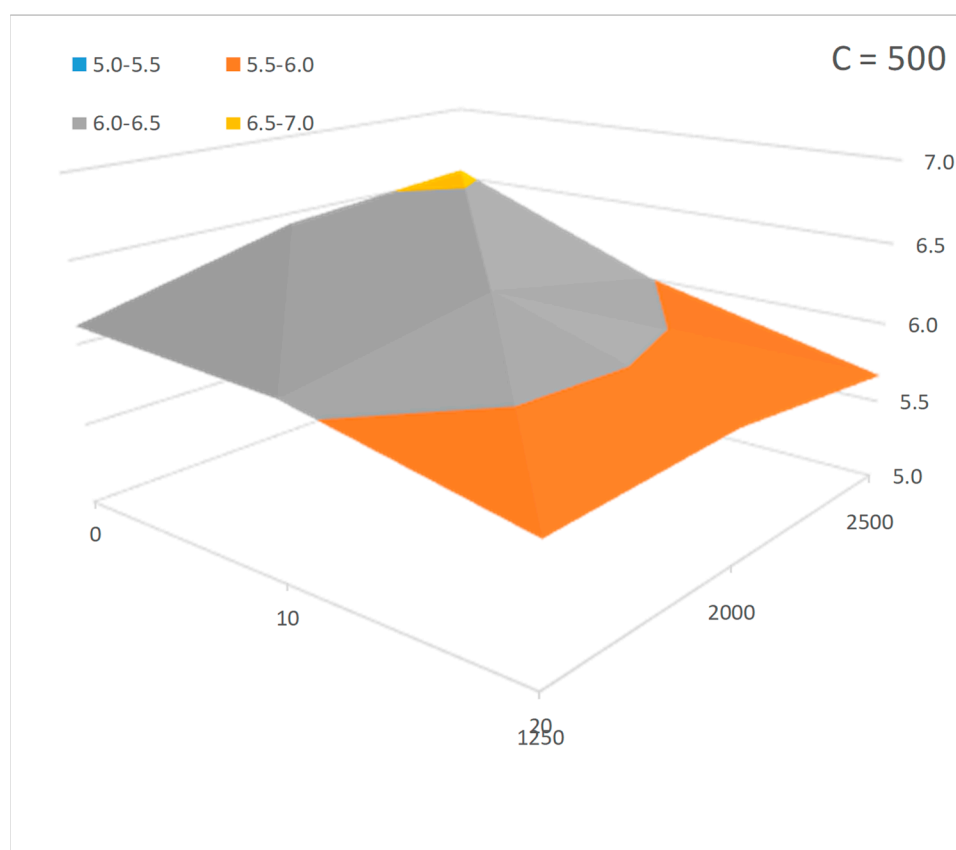


Figure S31. Variability of  $gbp$  [g/rev] ( $P_{100} = 500 \mu m$ ).

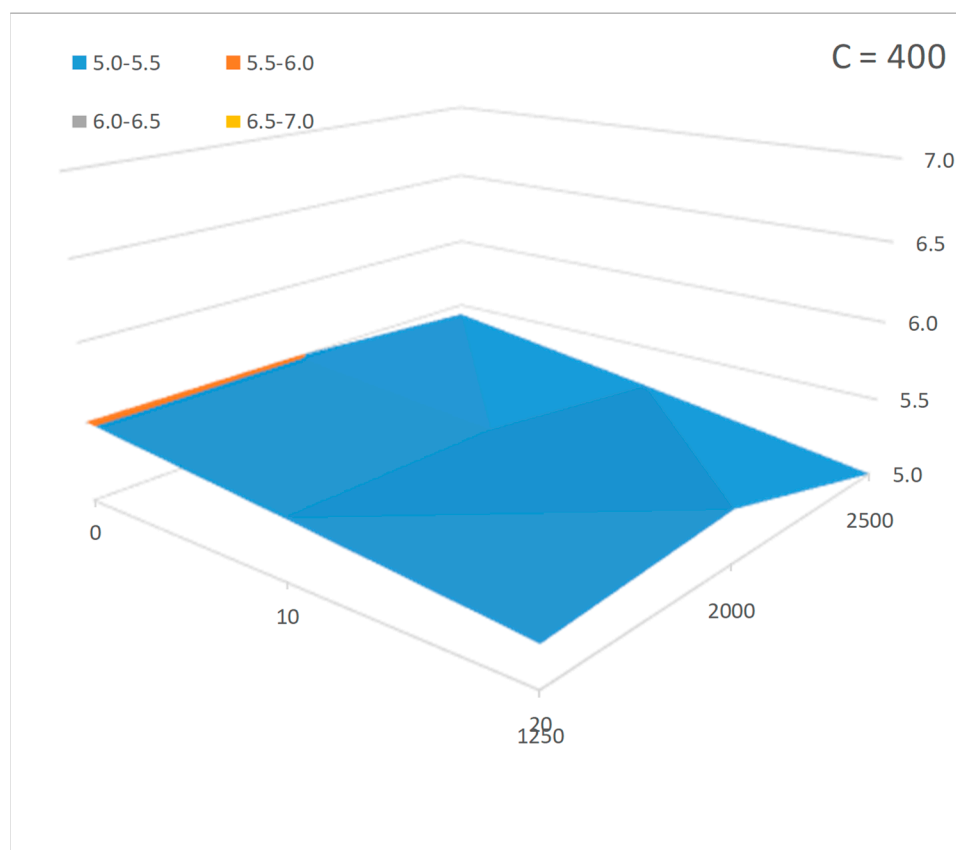
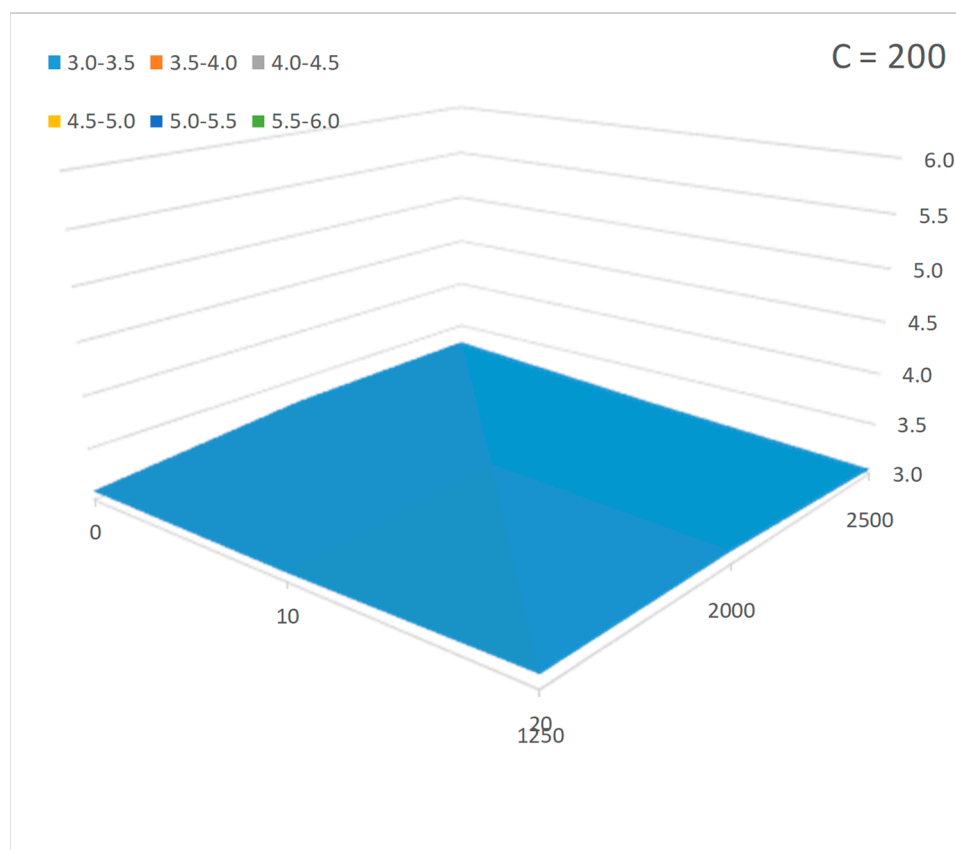


Figure S32. Variability of  $gbp$  [g/rev] ( $P_{100} = 400 \mu m$ ).





**Figure S33.** Variability of  $g_{bp}$  [g/rev] ( $P_{100} = 200 \mu\text{m}$ ).