

Table S3 ANOVA table for the OD (Box-Behnken design)

Source	Sum of squares	df	F value	P value
Model	1.44	9	27.46	0.0001
*X ₁	0.8333	1	143.35	<0.0001
*X ₂	0.1072	1	18.44	0.0036
*X ₃	0.1245	1	21.42	0.0024
X ₁ X ₂	0.0829	1	14.27	0.0069
X ₁ X ₃	0.0824	1	14.17	0.0070
X ₂ X ₃	0.0017	1	0.2892	0.6074
X ₁ ²	0.1998	1	34.37	0.0006
X ₂ ²	0.0011	1	0.1820	0.6825
X ₃ ²	0.0001	1	0.0248	0.8793
Residual	0.0407	7		
Lack of Fit	0.0336	3	6.33	0.0534
Pure Error	0.0071	4		
Cor Total	1.48	16		

*X₁: First liquid- solid ratio (mL/g)

*X₂: First extraction time (min)

*X₃: Second extraction time (min)