Ultrasonic-Assisted Extraction and Structural Characterization of Chondroitin Sulfate Derived from Jumbo Squid Cartilage

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Supplementary Materials:

Table S1. ANOVA of response surface model of all independent variables.

Source	Coefficient	Sum of Squares	d.f.	*F*-Value	*p*-Value
Model		10.9778	9	123.4175	< 0.0001**
Constant	3.0417		1		
Liner					
X_1-NaOH	0.9078	0.4827	1	48.8392	0.0009**
X_2-Temp	0.1643	5.4658	1	553.0435	< 0.0001**
X_3-Time	0.0746	2.6638	1	269.5324	< 0.0001**
Interaction					
X_1X_2	-0.0129	0.2649	1	26.8007	0.0035**
X_1X_3	0.0131	1.0918	1	110.4758	0.0001**
X_2X_3	-0.0009	0.1401	1	14.1756	0.0131*
Quadratic					
X_1^2	-0.0991	0.5802	1	58.7020	0.0006**
X_2^2	0.0001	0.0003	1	0.0309	0.8673
X_3^2	-0.0008	0.3386	1	34.2582	0.0021**
Residual		0.0494	5		
Lack of Fit		0.0434	3	4.8243	0.1765
Pure Error		0.0060	2		
R^2	0.9955				

*Significant at $p \leq 0.05$. **Significant at $p \leq 0.01$.