

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

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## Supplementary Materials:

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

Source	Coefficient	Sum of Squares	d.f.	F-Value	p-Value
<b>Model</b>		10.9778	9	123.4175	< 0.0001**
Constant	3.0417		1		
<b>Liner</b>					
X <sub>1</sub> -NaOH	0.9078	0.4827	1	48.8392	0.0009**
X <sub>2</sub> -Temp	0.1643	5.4658	1	553.0435	< 0.0001**
X <sub>3</sub> -Time	0.0746	2.6638	1	269.5324	< 0.0001**
<b>Interaction</b>					
X <sub>1</sub> X <sub>2</sub>	-0.0129	0.2649	1	26.8007	0.0035**
X <sub>1</sub> X <sub>3</sub>	0.0131	1.0918	1	110.4758	0.0001**
X <sub>2</sub> X <sub>3</sub>	-0.0009	0.1401	1	14.1756	0.0131*
<b>Quadratic</b>					
X <sub>1</sub> <sup>2</sup>	-0.0991	0.5802	1	58.7020	0.0006**
X <sub>2</sub> <sup>2</sup>	0.0001	0.0003	1	0.0309	0.8673
X <sub>3</sub> <sup>2</sup>	-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 <sup>2</sup>	0.9955				

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