

Supplementary data for article:

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## Supplementary Material

High levan production by *Bacillus licheniformis* NS032 using ammonium chloride as the sole nitrogen source

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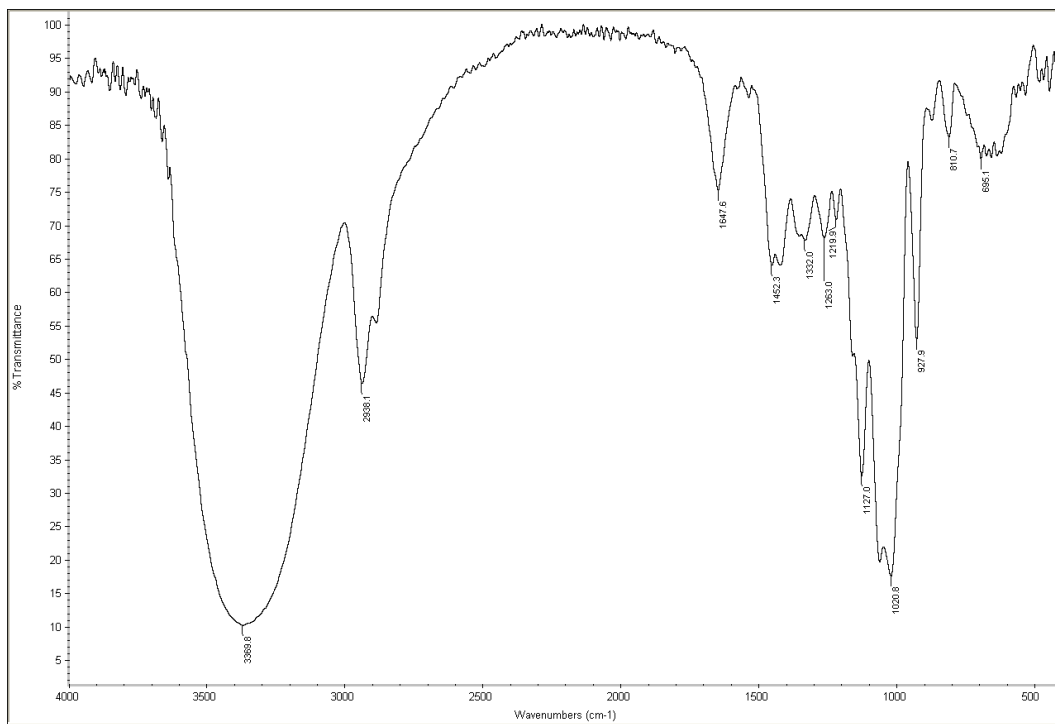
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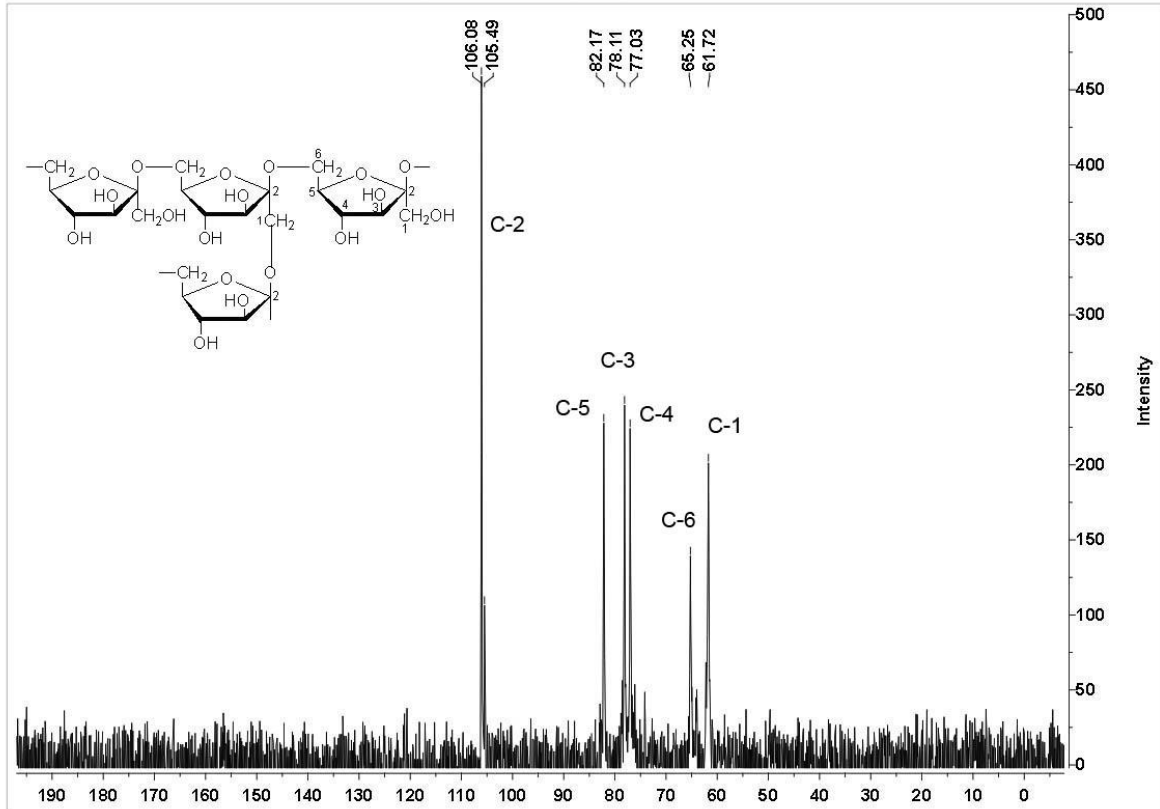
Supplementary Material, Figure S1

ATR-FTIR spectrum of the polysaccharide produced by *B. licheniformis* NS032



Supplementary Material, Figure S2

$^{13}\text{C}$  NMR spectrum of the polysaccharide produced by *B. licheniformis* NS032



Supplementary Material, Table S3

Change of pH values during levan production by *B. licheniformis* NS032 in the base medium with different nitrogen sources

N source	Time, hours			
	24	48	72	96
YE/BE	6.08	5.78	5.33	5.49
YE	6.21	5.48	5.31	5.32
BE	6.35	5.65	5.37	5.42
Peptone	6.42	5.91	5.42	5.59
(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	6.02	5.43	4.73	4.75
NH <sub>4</sub> Cl	5.94	5.30	4.91	4.57
NaNO <sub>3</sub>	6.80	6.59	6.21	6.26

Medium: BM with 100 g /L sucrose, initial pH 7.0, YE yeast extract, BE- beef extract; see Material and methods for details and Fig. 1d