

Certificate of Analysis

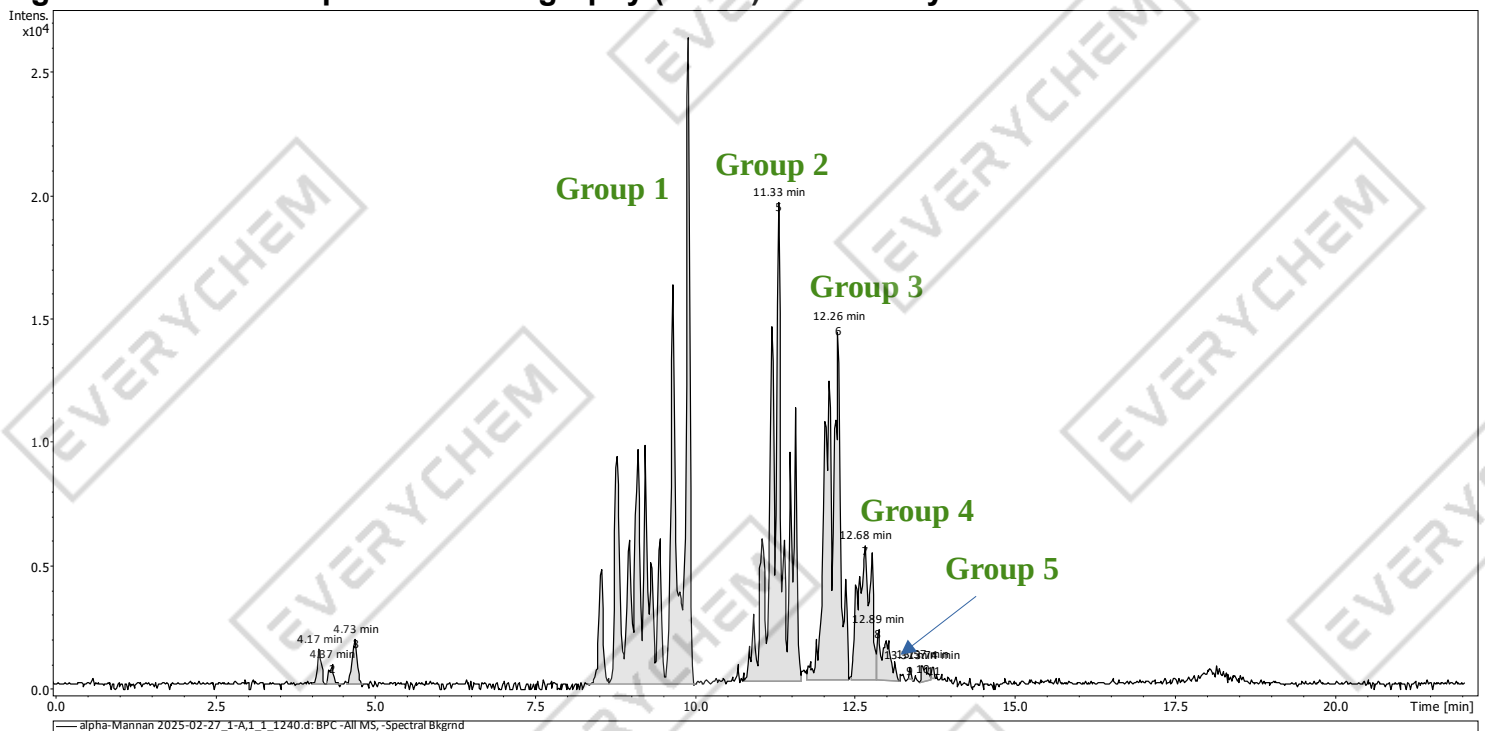
Alpha Mannans from Yeast

mixture of alpha linked mannose and beta linked glucose sugars

Compound : alpha-Mannans
Lot number : 2025-02-27
Analysis date : 2025-03-20
Purity % : 97.53%
Method : HPLC-MS

Client : Bromantane, LLC
<http://Everychem.com/>

High Performance Liquid Chromatography (HPLC) MS – Purity Test



Yeast derived alpha-Manna chains consist of alpha-linked mannose sugars with occasional beta-linked glucose sugars. The mannose/glucose chains can be length 2 through 6 units long, sometimes longer.

	Chain Length	Expected Molecular weight	Measured Molecular weight	
Group 1	2	342.12	342.11	Confirmed
Group 2	3	504.17	504.16	Confirmed
Group 3	4	666.22	666.22	Confirmed
Group 4	5	828.27	828.27	Confirmed
Group 5	6	990.33	990.32	Confirmed

PEAK LIST		Number of detected peaks: 11		
	Time (min)	Area	%Area	
1	4.17	5.93E+03	0.59	single sugar
2	4.37	3.46E+03	0.34	single sugar
3	4.73	9.62E+03	0.95	single sugar
4	9.92	4.36E+05	43.16	alpha-Mannan group 1
5	11.33	2.62E+05	25.97	alpha-Mannan group 2
6	12.26	1.89E+05	18.72	alpha-Mannan group 3
7	12.68	7.56E+04	7.48	alpha-Mannan group 4
8	12.89	2.22E+04	2.20	alpha-Mannan group 5
9	13.37	1.22E+03	0.12	unknown
10	13.57	3.65E+03	0.36	unknown
11	13.74	1.09E+03	0.11	unknown

Overall Purity 97.53

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2025-03-24