



ANALYTICAL REPORT

TO: Aloha Medicinals
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DATE: April 20, 2011

Sample: Inonotus obliquus (wild chaga)	Lot Number: IO110411
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Analyte	Result	Unit
Polysaccharides	344.2	mg / g
Beta-1,3/1,6-glucan	210.6	mg / g
Alpha-glucan	10.98	mg / g

Polysaccharides analysis performed following hydrolysis in sealed tubes with 2 MTFAs at 100°C for 5 h. The hydrolyzates were evaporated to dryness. The residue was repeatedly evaporated with methanol until the acid had been completely removed. The molar ratios of neutral sugars were determined by converting them to their alditol acetates which were separated and quantified by GC on a DB-225 fused silica capillary column at 210°C (15 m X 0.25 mm, J&W Scientific). Standard reference materials obtained from Sigma-Aldrich. Beta-glucan analysis performed using Megazyme glucan test kit, with pretreatments using chitinase and alpha-amylase obtained from Sigma-Aldrich.

Dinesh Patel, Ph.D.
Laboratory Director

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