

SUPPLEMENTARY MATERIAL

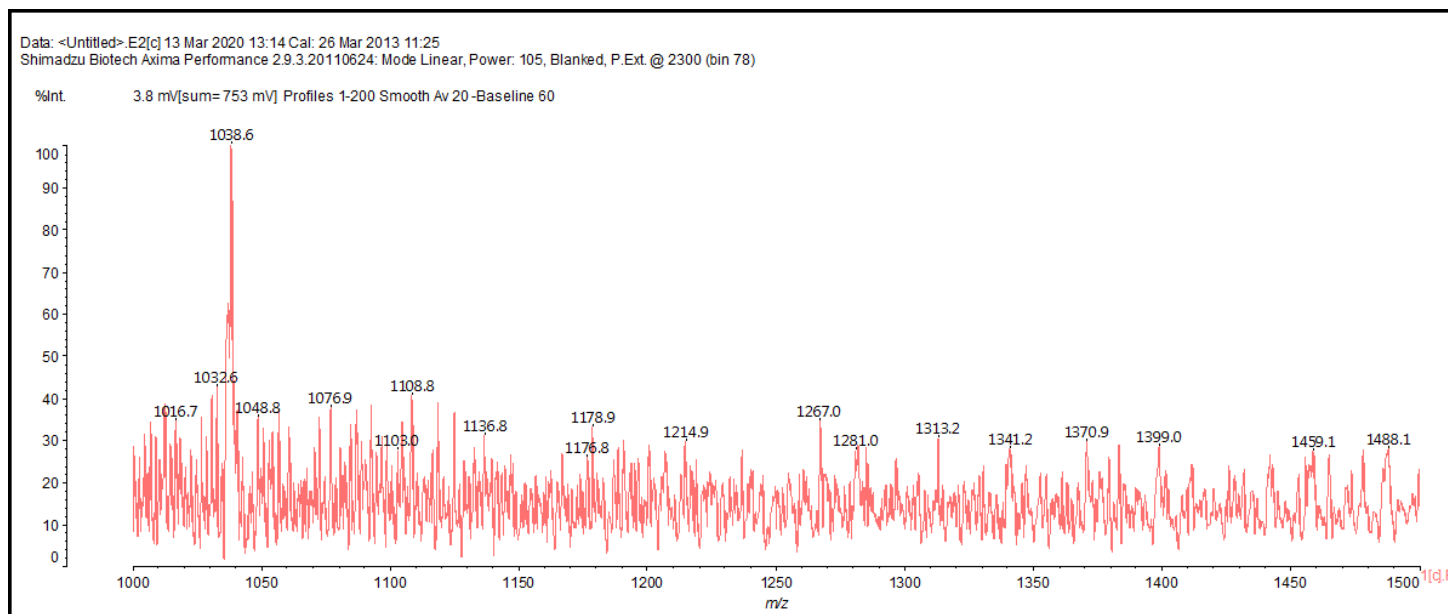


Figure SM1. MALDI ToF spectrum of humins obtained at 180°C oxidized, from fructose, 1000 Da-1500 Da range. Reported to indicate 1137 Da peak.

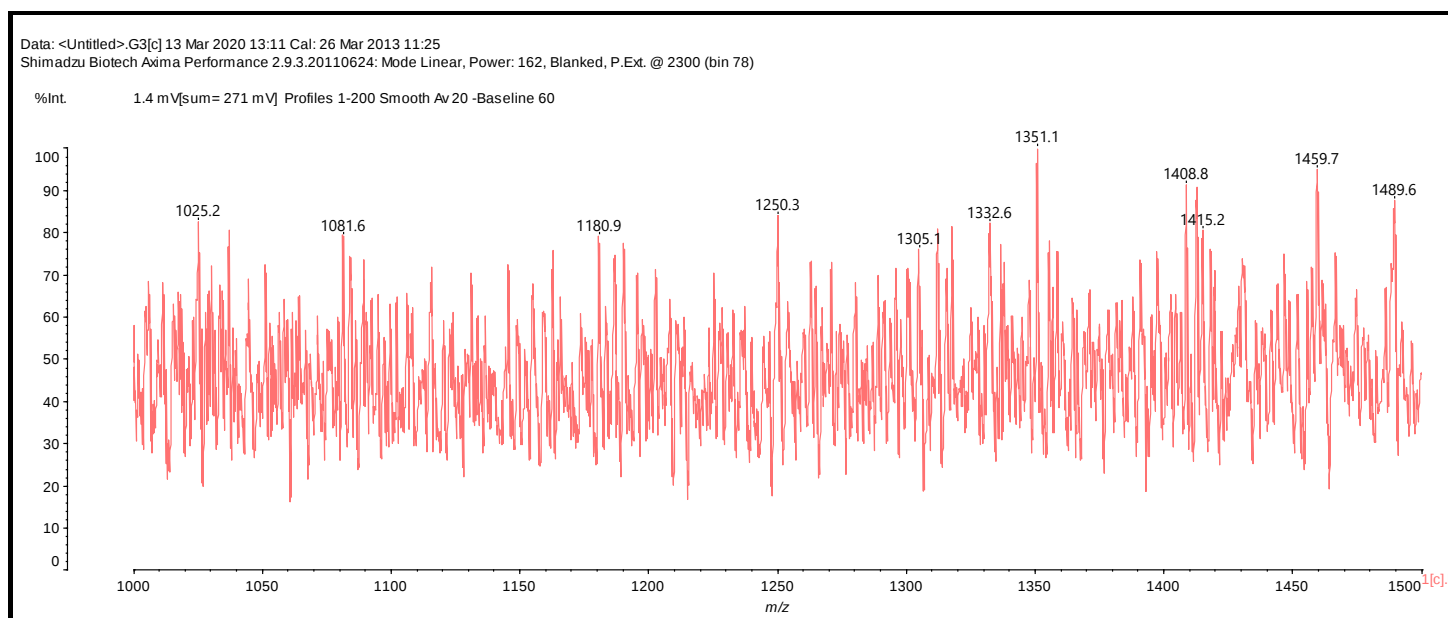


Figure SM2. MALDI ToF spectrum of humins obtained at 150°C from fructose, 1000 Da-1500 Da range. Reported to indicate 1250 Da peak.

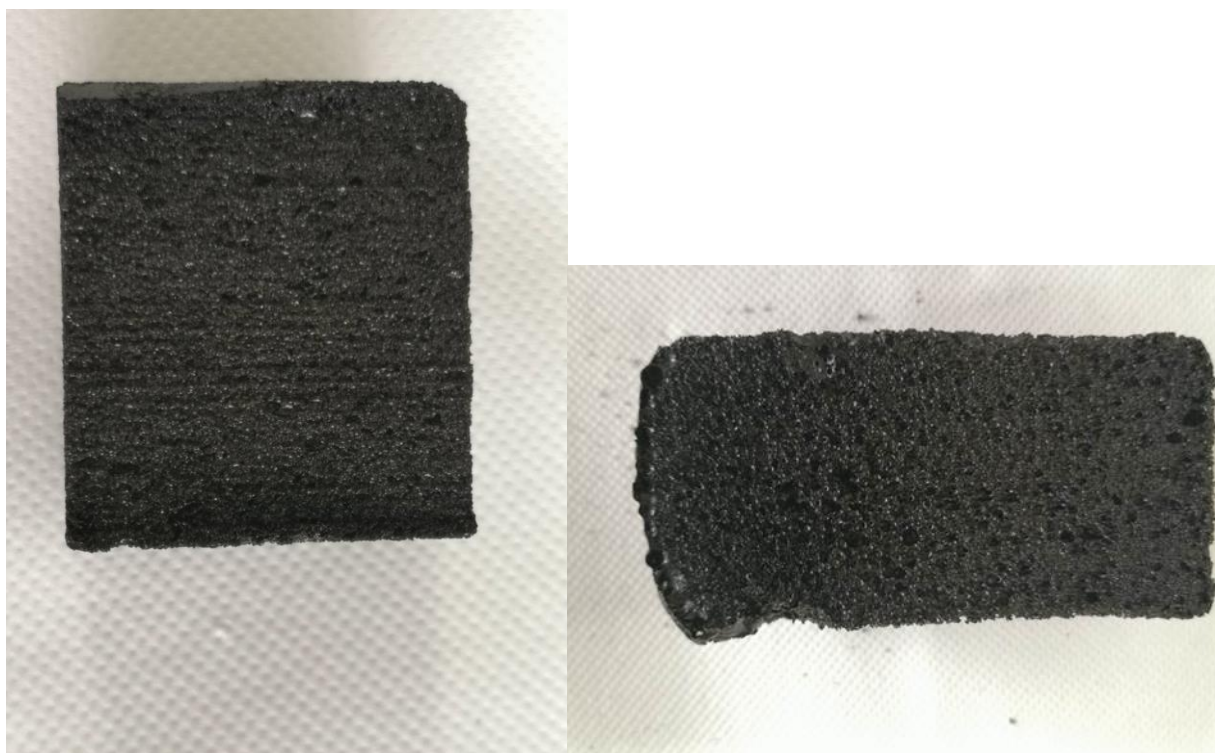


Figure SM3. Photograph of initial tannin-humin foam formulations (a) cured at 80°C, (b) cured at ambient temperature.