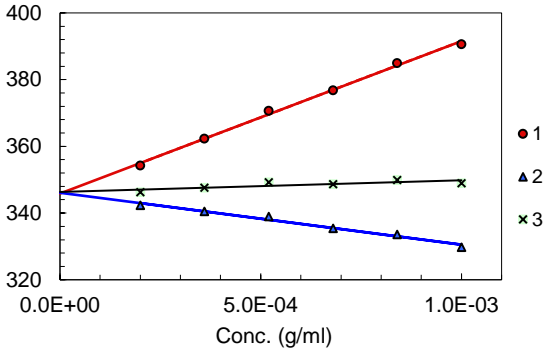


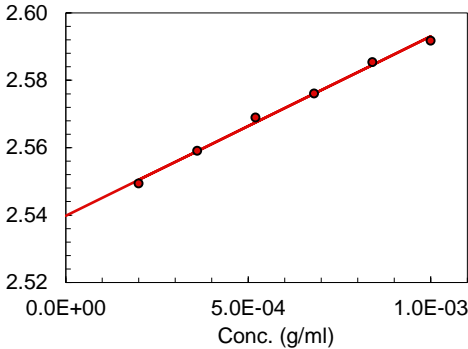
Sample: kelzan SB4x
Solvent: 0.15 M NaNO3/0.01 M EDTA, pH 6.0

Temp. (°C): 20
Analyst: CH

Huggins, Fuoss-Mead, Solomon-Ciuta plots



Herman's plot (= Huggins semilog)



Calculations of the intrinsic viscosity

Fit type.	Fitted data		Linear 1-3 [h] (ml/g)	SD (ml/g)	k'	SD
1	h_{sp}/c vs. c	(Huggins)	345.8		0.38	
2	$(\ln h_r)/c$ vs. c	(Fuoss-Mead)	346.1		0.37	
3	$[2(h_{sp}-\ln h_r)]^{1/2}/c$	(Solomon-Ciuta)	346.3		0.36	
4	$\log h_{sp}/c$ vs. c	(Herman)	346.6			
Average			346.2	0.3	0.37	0.01
Avg. w/o Huggins			346.3	0.2	0.37	0.01

Raw data

Conc. (mg/ml)	t (sec)	t(sec)*	h _r	h _{sp} /c (ml/g)	Accepted in regression
0 (solvent)	201.19	200.43			
1.000		278.72	1.39	391	Yes
0.840		265.24	1.32	385	Yes
0.680		251.78	1.26	377	Yes
0.520		239.06	1.19	371	Yes
0.360		226.57	1.13	362	Yes
0.200		214.63	1.07	354	Yes
*) Hagenbach corrected					
Dried <i>in vacuo</i> over P ₂ O ₅ :	No	Corrected for water content		No	
Assumed water content	N/A	Filter type (porosity (μm))		5	
Measured water content:	No				

	0.31683	0.009983
	0.248758	0.005582

