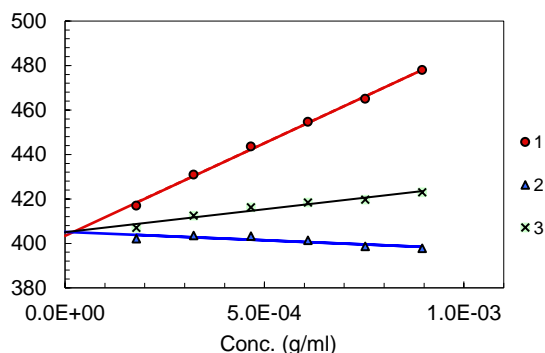


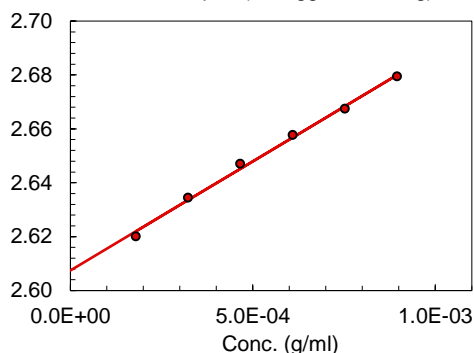
Sample: xan140917 SB6x
Solvent: 0.15 M NaNO3/0.01 M EDTA, pH 6.0

Temp. (°C): 20
Analyst: CH

Huggins, Fouss-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)	403.4		0.51	
2	$(\ln h_r)/c$ vs. c	(Mead-Fuoss)	405.2		0.45	
3	$[2(h_{sp}-\ln h_r)]^{1/2}/c$	(Solomon-Ciuta)	405.0		0.46	
4	$\log h_{sp}/c$ vs. c	(Herman)	405.0			
Average			404.6	0.9	0.48	0.03
Avg. w/o Huggins			405.1	0.1	0.46	0.00

Raw data					
Conc. (mg/ml)	t (sec)	t(sec)*	h _r	h _{sp} /c (ml/g)	Accepted in regression
0 (solvent)	201.49	200.73			
0.896		286.66	1.43	478	Yes
0.752		270.95	1.35	465	Yes
0.609		256.31	1.28	455	Yes
0.466		242.20	1.21	444	Yes
0.322		228.62	1.14	431	Yes
0.179		215.72	1.07	417	Yes
*) Hagenbach corrected					
Dried <i>in vacuo</i> over P ₂ O ₅ :	Yes	Corrected for water content		Yes	
Assumed water content	10.43%	Filter type (porosity (μm))		5	
Measured water content:	10.43%				

STD S

0.851009 0.032327

0.080418 0.003208

