

GPC Standards

Pharmacosmos GPC Standards provide a unique collection of 10 GPC standards (Gel Permeation Chromatography standards) for molecular weight determination. The GPC standards cover a molecular weight range from 1,000 Daltons to 670,000 Daltons.

The GPC standards are delivered with a complete set of specifications including weight average molecular weight M_w , number average molecular weight M_n , and mean peak molecular weight M_p . Differential and integral molecular weight distributions are provided in both graphical and tabular form (please see below).

The GPC Standard data are unique for a given Batch No.

When ordering GPC standards from Pharmacosmos, please note that the Batch No. may be different from the examples given in this file.

For additional information about Dextran GPC from Pharmacosmos, please visit our Dextran website:

<http://www.dextran.net>

If you have any questions or comments, please contact us:

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GPC Standard Dextran 25000

BATCH NO.:
095301

GEL PERMEATION CHROMATOGRAPHY

\bar{M}_p	21400
\bar{M}_w	23800
\bar{M}_n	18300
$\sqrt{\bar{M}_w \times \bar{M}_n}$	20870
\bar{M}_w/\bar{M}_n	1.30

CONTROL MEASUREMENTS

\bar{M}_p , (Visc.)	16.9
\bar{M}_w , (LALLS)	22700
\bar{M}_n , (EGT)	17944
$\sqrt{\bar{M}_w \times \bar{M}_n}$, (LALLS, EGT)	20180
\bar{M}_w/\bar{M}_n , (LALLS/EGT)	1.27

MOLECULAR WEIGHT		DIFFERENTIAL DISTRIBUTION	INTEGRAL DISTRIBUTION
M	log(M)	-	%
1470	3.167	0.001	0.0
1640	3.215	0.003	0.0
1820	3.260	0.004	0.0
2020	3.305	0.005	0.0
2240	3.350	0.005	0.1
2480	3.394	0.006	0.1
2760	3.441	0.008	0.1
3060	3.486	0.012	0.2
3400	3.531	0.018	0.2
3770	3.576	0.025	0.3
4190	3.622	0.035	0.5
4650	3.667	0.048	0.7
5160	3.713	0.064	0.9
5730	3.758	0.088	1.2
6360	3.803	0.122	1.7
7060	3.849	0.170	2.4
7830	3.894	0.238	3.3
8700	3.940	0.332	4.6
9650	3.985	0.457	6.4
10700	4.029	0.620	8.8
11900	4.076	0.822	12.0
13200	4.121	1.064	16.3
14700	4.167	1.326	21.7
16300	4.212	1.578	28.3
18100	4.258	1.782	36.0
20100	4.303	1.906	44.4
22300	4.348	1.939	53.1
24700	4.393	1.869	61.8
27400	4.438	1.708	69.9
30500	4.484	1.483	77.1
33800	4.529	1.224	83.3
37500	4.574	0.961	88.2
41700	4.620	0.717	92.0
46200	4.665	0.508	94.8
51300	4.710	0.344	96.7
57000	4.756	0.224	98.0
63300	4.801	0.141	98.8
70200	4.846	0.087	99.3
77900	4.892	0.050	99.6
86500	4.937	0.028	99.8
96100	4.983	0.017	99.9
107000	5.029	0.008	100.0
118000	5.072	0.003	100.0

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GPC Standard 25

