Calibration Standards for SEC

Scantec Nordic
Analys & Mätteknik
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[Polystyrene (PS)]

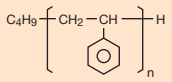
Features

- For organic solvent SEC (GPC)
- Less branched polystyrene with anionic polymerization
- Easily soluble in tetrahydrofuran (THF), chloroform, toluene, and o-dichlorobenzene (ODCB)

Kit type

Product Code	Product Name	Contents	MW Range
F8601105	**STANDARD SL-105**	0.5g x 10 kinds	580-21,800
F8602105	**STANDARD SM-105**	0.5g x 10 kinds	1,270-2,700,000
F8603075	**STANDARD SH-75**	0.5g x 7 kinds	591,000-6,870,000

Structural formula of S series



■ **SL-105**

Std. No.	Mp	Mw/Mn
S-22	21,800	1.02
S-13	13,000	1.02
S-10	10,400	1.03
S-6.9	6,940	1.03
S-4.9	4,910	1.03
S-2.9	2,940	1.04
S-2.2	2,170	1.04
S-1.3	1,280	1.07
S-0.7	770	1.08
S-0.5	580	1.12

■ **SM-105**

Std. No.	Mp	Mw/Mn
S-2704	2,700,000	1.04
S-1345	1,350,000	1.03
S-609	609,000	1.02
S-333	333,000	1.03
S-139	139,000	1.03
S-53	52,500	1.03
S-22	21,800	1.02
S-6.9	6,940	1.03
S-3.2	3,180	1.04
S-1.3	1,270	1.06

■ **SH-75**

Std. No.	Mp	Mw/Mn
S-6870	6,870,000	1.09
S-5190	5,190,000	1.03
S-3990	3,990,000	1.05
S-2350	2,350,000	1.04
S-1820	1,820,000	1.04
S-991	991,000	1.05
S-591	591,000	1.02

(Note)
Molecular weights (Mp, Mw/Mn) of each kit may vary depending on production lots.

[Polymethylmethacrylate (PMMA)]

Features

- For organic solvent SEC (GPC)
- Narrow molecular weight distribution range
- Easily soluble in hexafluoroisopropanol (HFIP) and dimethylformamide (DMF)

Kit type

Product Code	Product Name	Contents	MW Range
F8604075	**STANDARD M-75**	0.5g x 7 kinds	2,890-955,000

Std. No.	Mp	Mw/Mn
M-955	955,000	1.05
M-509	509,000	1.03
M-202	202,000	1.02
M-63	63,000	1.02
M-20	20,300	1.03
M-6.8	6,830	1.10
M-2.9	2,890	1.10

(Note)
Molecular weights (Mp, Mw/Mn) of each kit may vary depending on production lots.

[Pullulan]

Features

- For aqueous SEC (GFC)
- Unbranched pullulan standard
- High solubility in water eliminates the possibility of recrystallization

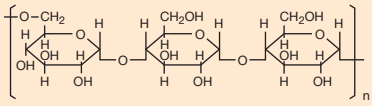
Kit type

Product Code	Product Name	Contents	MW Range
F8400000	**STANDARD P-82**	0.2g x 8 kinds	5,900-708,000

Single type

Product Code	Product Name	Contents	Mp	Mw/Mn
F8402500	**STD P-2500**	0.2g	2,350,000	1.49
F8401300	**STD P-1300**	0.2g	1,220,000	1.37
F8400800	**STD P-800**	0.5g	708,000	1.27
F8400400	**STD P-400**	0.5g	344,000	1.15
F8400200	**STD P-200**	0.5g	200,000	1.11
F8400100	**STD P-100**	0.5g	107,000	1.13
F8400050	**STD P-50**	0.5g	47,100	1.07
F8400020	**STD P-20**	0.5g	21,100	1.09
F8400010	**STD P-10**	0.5g	9,600	1.09
F8400005	**STD P-5**	0.5g	5,900	1.09
F8400003	**STD P-3**	0.2g	2,890	1.12
F8400002	**STD P-2**	0.2g	2,150	1.11
F8400001	**STD P-1**	0.2g	1,420	1.18

Structural formula of P series



Std. No.	Mp	Mw/Mn
P-800	708,000	1.27
P-400	344,000	1.15
P-200	200,000	1.11
P-100	107,000	1.13
P-50	47,100	1.07
P-20	21,100	1.09
P-10	9,600	1.09
P-5	5,900	1.09

(Note)
Molecular weights (Mp, Mw/Mn) of each kit may vary depending on production lots.