

Water soluble Polymers

E

-  **Euperlan®**
-  **Lupasol®**
-  **Polyquart®**
-  **Rheovis®**
-  **Soilfix®**
-  **Sokalan®**
-  **Tamol®**

Dispersing agents

Product	Chemical nature	Physical form	Concentration [%]	Molar mass [g/mol]	K-value	pH	Bulk density [g/l]	Density [g/cm ³]	Viscosity [mPa · s]
Sokalan CP 5	Maleic acid/acrylic acid copolymer, Na-salt	Liquid	40	70000	55	8	–	1.30	2000
Sokalan CP 5 Granules		Granules	92	70000	55	8	580	–	–
Sokalan CP 45*	Maleic acid/olefin copolymer, Na-salt	Liquid	45	70000	55	4	–	1.25	8000
Sokalan CP 45 Granules*		Granules	92	70000	55	4	520	–	–
Sokalan CP 7	Maleic acid/olefin copolymer, Na-salt	Liquid	40	50000	50	8	–	1.30	1500
Sokalan CP 7 Granules NL		Granules	92	50000	50	8	660	–	–
Sokalan CP 9	Maleic acid/olefin copolymer, Na-salt	Liquid	25	12000	35	11.5	–	1.10	50
Sokalan CP 9 Granules		Granules	87	12000	35	11.5	480	–	–
Sokalan CP 10	Polyacrylic acid modified, Na-salt	Liquid	45	4000	20	8.5**	–	1.30	500
Sokalan CP 10 S	Polyacrylic acid modified	Liquid	50	4000	20	2	–	1.16	150
Sokalan CP 12 S	Maleic acid/acrylic acid copolymer	Liquid	50	3000	15	1.5	–	1.23	130
Sokalan CP 13 S	Polyacrylic acid, modified	Liquid	25	20000	50	2	–	1.09	200
Sokalan CP 42	Polycarboxylate modified, Na-salt	Liquid	40	–	30	6	–	1.20	200
Sokalan CP 42 Granules		Granules	97	–	30	6	550	–	–
Sokalan CP 50	Polycarboxylate modified, Na-salt	Liquid	40	–	40	5	–	1.20	300
Sokalan CP 50 Granules		Granules	92	–	40	5	600	–	–
Sokalan CP 52 PN	Polycarboxylate, Na-salt	Liquid	20	–	150	3**	–	1.00	1000
Sokalan CP N40		Liquid	43	6000	28	8	–	1.30	700
Sokalan CP 6655*	Polycarboxylate, Na-salt	Liquid	44	8000	30	5.5	–	1.30	3000
Sokalan CP 6340*		Liquid	48	8000	30	5	–	1.30	2500
Sokalan CP 2695	Polycarboxylate, Na-salt	Liquid	43	8000	30	7	–	1.30	1000
Sokalan CP 2696		Liquid	48	3500	20	7	–	1.30	700

Dispersing agents

Product	Chemical nature	Physical form	Concentration [%]	Molar mass [g/mol]	K-value	pH	Bulk density [g/l]	Density [g/cm ³]	Viscosity [mPa · s]
Sokalan PA 15	Polyacrylic acid, Na-salt	Liquid	45	1200	15	8	–	1.31	250
Sokalan PA 20		Liquid	45	2500	20	8	–	1.32	400
Sokalan PA 20 X-PN		Liquid	40	3500	20	4	–	1.18	50
Sokalan PA 25 X		Liquid	45	5000	25	8	–	1.30	800
Sokalan PA 25 CL Granules		Granules	92	4000	25	8	600	–	–
Sokalan PA 25 CL PN		Liquid	49	4000	25	4	–	1.25	600
Sokalan PA 30 CL		Liquid	45	8000	30	8	–	1.34	1300
Sokalan PA 30 CL Granules		Granules	92	8000	30	8	620	–	–
Sokalan PA 30 CL PN Granules		Granules	93	8000	30	4	620	–	–
Sokalan PA 40		Liquid	35	15000	40	7**	–	1.24	250
Sokalan PA 70 PN	Liquid	30	70000	70	5**	–	1.17	300	
Sokalan PA 25 X S	Polyacrylic acid	Liquid	49	5000	25	2	–	1.20	500
Sokalan PA 80 S		Liquid	35	100000	80	2	–	1.14	1000
Sokalan PA 110 S		Liquid	35	250000	110	2	–	1.14	5000

Thickener

Product	Chemical nature	Physical form	Concentration [%]	Molar mass [g/mol]	pH	Bulk density [g/l]	Density [g/cm ³]	Viscosity [mPa · s]
Rheovis CDE	Polyacrylate, modified	Dispersion	50	–	3.5**	–	1.00	250
Rheovis CSP		Pearl	100	–	3.5	ca. 750	–	–
Rheovis FRC		Dispersion	55	–	3.5**	–	1.05	3000
Rheovis AT 120	Methacrylic acid/acrylic acid copolymer, modified	Dispersion	30	–	3	–	1.05	30
Rheovis TTA		Dispersion	30	–	2**	–	–	10**

All figures are approx. values, ** undiluted, DIN 19268

Polyethylene imines

Product	Physical form	Concentration [%]	Molar mass [g/mol]	Solvent	pH	Density [g/cm ³]	Viscosity [mPa · s]	Charge density [meq/g TS]
Lupasol FG	Liquid	99	800	–	11	1.02	1500	16
Lupasol G 20 water free	Liquid	99	1300	–	11	1.03	8000	16
Lupasol G 20	Liquid	50	1300	Water	11	1.08	400	16
Lupasol G 35	Liquid	50	2000	Water	11	1.08	600	16
Lupasol G 100	Liquid	50	5000	Water	11	1.08	1100	16
Lupasol HF	Liquid	56	25000	Water	11	1.08	11000	17
Lupasol P	Liquid	50	750000	Water	11	1.09	25000	17
Lupasol PR 8515	Liquid	99	2000	–	11	1.05	14000	16
Lupasol PS	Liquid	33	750000	Water	11	1.08	1700	17
Lupasol WF	Liquid	99	25000	–	11	1.10	>200000	17

Modified Polyethylene imines

Product	Physical form	Concentration [%]	Molar mass [g/mol]	Solvent	pH	Density [g/cm ³]	Viscosity [mPa · s]	Charge density [meq/g TS]
Sokalan HP 20	Liquid	80	–	Water	10	1.13	800	–
Lupasol PN 50	Liquid	49	1000000	Water	8	1.10	6000	–
Lupasol PN 60	Liquid	40	–	Water	4	1.14	500	–
Lupasol PN 70	Liquid	50	–	Water	9	1.05	600	–
Lupasol PO 100	Liquid	50	5000	Methoxypropanole	10	1.00	300 ¹⁾	–
Lupasol SK	Liquid	24	2000000	Water	7	1.06	700	8

¹⁾ at 50 °C

Test methods for Sokalan types

Physical form	at 23 °C
Concentration	DIN EN ISO 3251 drying to constant mass
Average Molar mass	Gel Permeation Chromatography (calibration with polystyrene sulphonates/ or polyacrylates)
K-value	1% dry substance in dist. water (pH 7)
pH-value	DIN 19268 10% dry substance in dist. water
Bulk density	DIN ISO 697
Density	DIN 51757, 23 °C
Viscosity	Brookfield, 23 °C, undiluted

Test methods for Rheovis types

Physical form	at 23 °C
Concentration	specific for each product, please refer to the Product Specification or Technical Information
pH-value	DIN 19268 1% in dist. water
Bulk density	DIN ISO 697
Density	DIN 51757, 23 °C
Viscosity	Brookfield, 23 °C, undiluted

Test methods for Lupasol types

Physical form	visual, at 20 °C
Concentration	dry content, (constant weight)
Average Molar mass	Light scattering or GPC
Water	ISO 760, (Karl-Fischer)
pH-value	DIN 19268 1% dry content in dist. water
Density	DIN 51757, 20 °C
Viscosity	Brookfield, 20 °C, undiluted
Charge density	BASF method, 100% dry content (TS), at pH 4.5

Special polymers

Product	Chemical nature	Physical form	Concentration [%]	Molar mass [g/mol]	K-value	pH	Bulk density [g/l]	Density [g/cm ³]	Viscosity [mPa · s]
Euperlan® types									
Euperlan HCO	Styrene/Acrylate copolymer, modified	Liquid	44	–	–	3**	–	1.05	350
Euperlan PO/N		Liquid	40	–	–	2**	–	1.03	20
Lupasol® types									
Lupasol VT	Vinylamine/Vinylformamide copolymer	Liquid	46	–	–	3.5	–	1.14	3000
Polyquart® types									
Polyquart Ampho 149	Acrylic copolymer, Na-salt	Liquid	22	–	–	6.5**	–	1.05	250
Polyquart PRO A		Liquid	21	–	–	6.5**	–	1.03	150
Polyquart Ecoclean	Amphoteric modified starch	Liquid	22	–	–	5.6**	–	1.10	10
Polyquart FDI	Cationic copolymer	Liquid	41	–	–	5.5	–	1.09	2000
Polyquart SD 09	Diallyldimethylammonium-chloride/Propenamide copolymer	Liquid	9	–	–	6.5***	–	–	8500
Soifix® types									
Soifix IR	Polyacrylamide, anionic	Powder	91	–	–	7.5***	700	–	–
Sokalan® types									
Sokalan DCS	Mixture of aliphatic dicarboxylic acids	Flakes	100	–	–	2	–	–	–
Sokalan HP 22 G	Nonionic copolymer	Liquid	20	30000	19	5	–	1.03	300
Sokalan HP 25	Polycarboxylate, modified	Liquid	45	3000	16	7.5	–	1.10	10000
Sokalan HP 165	Polyvinylpyrrolidone	Liquid	30	9000	16	4**	–	1.06	20
Sokalan HP 50		Powder	96	40000	30	4	400	–	–
Sokalan HP 53		Liquid	30	40000	30	6	–	1.07	120
Sokalan HP 56 K	Vinylpyrrolidone/Vinylimidazole copolymer	Liquid	30	70000	32	8	–	1.07	300
Sokalan HP 56 Granules		Granules	97	70000	32	8	450	–	–

All figures are approx. values, ** undiluted, DIN 19268

*** 1% dry substance in dist. water, DIN 19268

Special polymers

Product	Chemical nature	Physical form	Concentration [%]	Molar mass [g/mol]	K-value	pH	Bulk density [g/l]	Density [g/cm ³]	Viscosity [mPa·s]
Sokalan® types									
Sokalan HP 66 K	Vinylpyrrolidone/ Vinylimidazole copolymer, modified	Liquid	41	–	36	8	–	1.10	2000
Sokalan IME	Reaction product of imidazole and epichlorohydrin	Liquid	45	–	–	9**	–	1.15	20
Sokalan Soft	Polycarboxylate, modified	Liquid	30	–	–	3**	–	1.05	25

Test methods for Special polymers

Physical form	at 23 °C
Concentration	specific for each product, please refer to the Product Specification or Technical Information
pH-value	DIN 19268 10% dry substance in dist. Water
Bulk density	DIN ISO 697
Density	DIN 51757, 23 °C
Viscosity	Brookfield, 23 °C, undiluted

Sulphonic acid condensation products/Sulfonates

Product	Chemical nature	Physical form	pH	Dry content [%]	Na-sulfate [%]	Bulk density [g/l]	Density [g/cm ³]	Viscosity [mPa·s]	
Tamol NH 7519	Naphthalene sulphonic acid condensation product, sodium salt	Powder	9	95	17	550	–	–	
Tamol NN 2406		Liquid	10	31	6	–	1.17	20	
Tamol NN 2901		Liquid	10	31	1	–	1.14	20	
Tamol NN 4501		Liquid	10	45	0.9	–	1.23	80	
Tamol NN 7718		Powder	7	95	18	500	–	–	
Tamol NN 8906		Powder	7	95	6	500	–	–	
Tamol NN 9104		Powder	10	95	4	500	–	–	
Tamol NN 9401		Powder	10	95	2	500	–	–	
Tamol DN		Phenol sulfonic acid condensation product, sodium salt	Powder	7	95	8	450	–	–
Tamol DN 40 Liquid			Liquid	7	40	3	–	1.20	80
Tamol PP	Powder		7	95	8	450	–	–	

Test methods for Tamol types

Physical form	at 23 °C
Concentration	DIN EN ISO 3251 drying to constant mass
pH-value	DIN 19268 10 g product in 100 g solution with dist. water, 20 – 25 °C
Bulk density	DIN ISO 697
Density	DIN 51757, 20 °C
Viscosity	Brookfield, 23 °C, undiluted
Na-sulphate	BASF Titration method

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Labelling

Details about the classification and labelling of our products and further advice on safe handling are contained in the current safety data sheets.

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Special polymers

Product	Chemical nature	Physical form	Concentration [%]	Molar mass [g/mol]	K-value	pH	Bulk density [g/l]	Density [g/cm ³]	Viscosity [mPa·s]
Euperlan® types									
Euperlan HCO	Styrene/Acrylate copolymer, modified	Liquid	44	–	–	3**	–	1.05	350
Euperlan PO/N		Liquid	40	–	–	2**	–	1.03	20
Lupasol® types									
Lupasol VT	Vinylamine/Vinylformamide copolymer	Liquid	46	–	–	3.5	–	1.14	3000
Polyquart® types									
Polyquart Ampho 149	Acrylic copolymer, Na-salt	Liquid	22	–	–	6.5**	–	1.05	250
Polyquart PRO A		Liquid	21	–	–	6.5**	–	1.03	150
Polyquart Ecoclean	Amphoteric modified starch	Liquid	22	–	–	5.6**	–	1.10	10
Polyquart FDI	Cationic copolymer	Liquid	41	–	–	5.5	–	1.09	2000
Polyquart SD 09	Diallyldimethylammonium-chloride/Propenamamide copolymer	Liquid	9	–	–	6.5***	–	–	8500
Soifix® types									
Soifix IR	Polyacrylamide, anionic	Powder	91	–	–	7.5***	700	–	–
Sokalan® types									
Sokalan DCS	Mixture of aliphatic dicarboxylic acids	Flakes	100	–	–	2	–	–	–
Sokalan HP 22 G	Nonionic copolymer	Liquid	20	30000	19	5	–	1.03	300
Sokalan HP 25	Polycarboxylate, modified	Liquid	45	3000	16	7.5	–	1.10	10000
Sokalan HP 165	Polyvinylpyrrolidone	Liquid	30	9000	16	4**	–	1.06	20
Sokalan HP 50		Powder	96	40000	30	4	400	–	–
Sokalan HP 53		Liquid	30	40000	30	6	–	1.07	120
Sokalan HP 56 K	Vinylpyrrolidone/Vinylimidazole copolymer	Liquid	30	70000	32	8	–	1.07	300
Sokalan HP 56 Granules		Granules	97	70000	32	8	450	–	–

All figures are approx. values, ** undiluted, DIN 19268
*** 1% dry substance in dist. water, DIN 19268

Special polymers

Product	Chemical nature	Physical form	Concentration [%]	Molar mass [g/mol]	K-value	pH	Bulk density [g/l]	Density [g/cm ³]	Viscosity [mPa·s]
Sokalan® types									
Sokalan HP 66 K	Vinylpyrrolidone/Vinylimidazole copolymer, modified	Liquid	41	–	36	8	–	1.10	2000
Sokalan IME	Reaction product of imidazole and epichlorohydrin	Liquid	45	–	–	9**	–	1.15	20
Sokalan Soft	Polycarboxylate, modified	Liquid	30	–	–	3**	–	1.05	25

Sulphonic acid condensation products/Sulfonates

Product	Chemical nature	Physical form	pH	Dry content [%]	Na-sulfate [%]	Bulk density [g/l]	Density [g/cm ³]	Viscosity [mPa·s]
Tamol NH 7519	Naphthalene sulphonic acid condensation product, sodium salt	Powder	9	95	17	550	–	–
Tamol NN 2406		Liquid	10	31	6	–	1.17	20
Tamol NN 2901		Liquid	10	31	1	–	1.14	20
Tamol NN 4501		Liquid	10	45	0.9	–	1.23	80
Tamol NN 7718		Powder	7	95	18	500	–	–
Tamol NN 8906		Powder	7	95	6	500	–	–
Tamol NN 9104		Powder	10	95	4	500	–	–
Tamol NN 9401		Powder	10	95	2	500	–	–
Tamol DN	Phenol sulfonic acid condensation product, sodium salt	Powder	7	95	8	450	–	–
Tamol DN 40 Liquid		Liquid	7	40	3	–	1.20	80
Tamol PP		Powder	7	95	8	450	–	–

All figures are approx. values, ** undiluted, DIN 19268

Test methods for Special polymers

Physical form	at 23 °C
Concentration	specific for each product, please refer to the Product Specification or Technical Information
pH-value	DIN 19268 10% dry substance in dist. Water
Bulk density	DIN ISO 697
Density	DIN 51757, 23 °C
Viscosity	Brookfield, 23 °C, undiluted

Test methods for Tamol types

Physical form	at 23 °C
Concentration	DIN EN ISO 3251 drying to constant mass
pH-value	DIN 19268 10 g product in 100 g solution with dist. water, 20 – 25 °C
Bulk density	DIN ISO 697
Density	DIN 51757, 20 °C
Viscosity	Brookfield, 23 °C, undiluted
Na-sulphate	BASF Titration method

Water soluble Polymers



- Euperlan®
- Lupasol®
- Polyquart®
- Rheovis®
- Soifix®
- Sokalan®
- Tamol®

Dispersing agents

Product	Chemical nature	Physical form	Concentration [%]	Molar mass [g/mol]	K-value	pH	Bulk density [g/l]	Density [g/cm ³]	Viscosity [mPa · s]
Sokalan CP 5	Maleic acid/acrylic acid copolymer, Na-salt	Liquid	40	70000	55	8	–	1.30	2000
Sokalan CP 5 Granules		Granules	92	70000	55	8	580	–	–
Sokalan CP 45*		Liquid	45	70000	55	4	–	1.25	8000
Sokalan CP 45 Granules*		Granules	92	70000	55	4	520	–	–
Sokalan CP 7		Liquid	40	50000	50	8	–	1.30	1500
Sokalan CP 7 Granules NL		Granules	92	50000	50	8	660	–	–
Sokalan CP 9	Maleic acid/olefin copolymer, Na-salt	Liquid	25	12000	35	11.5	–	1.10	50
Sokalan CP 9 Granules		Granules	87	12000	35	11.5	480	–	–
Sokalan CP 10	Polyacrylic acid modified, Na-salt	Liquid	45	4000	20	8.5**	–	1.30	500
Sokalan CP 10 S	Polyacrylic acid modified	Liquid	50	4000	20	2	–	1.16	150
Sokalan CP 12 S	Maleic acid/acrylic acid copolymer	Liquid	50	3000	15	1.5	–	1.23	130
Sokalan CP 13 S	Polyacrylic acid, modified	Liquid	25	20000	50	2	–	1.09	200
Sokalan CP 42	Polycarboxylate modified, Na-salt	Liquid	40	–	30	6	–	1.20	200
Sokalan CP 42 Granules		Granules	97	–	30	6	550	–	–
Sokalan CP 50		Liquid	40	–	40	5	–	1.20	300
Sokalan CP 50 Granules		Granules	92	–	40	5	600	–	–
Sokalan CP 52 PN		Liquid	20	–	150	3**	–	1.00	1000
Sokalan CP N40	Polycarboxylate, Na-salt	Liquid	43	6000	28	8	–	1.30	700
Sokalan CP 6655*		Liquid	44	8000	30	5.5	–	1.30	3000
Sokalan CP 6340*		Liquid	48	8000	30	5	–	1.30	2500
Sokalan CP 2695		Liquid	43	8000	30	7	–	1.30	1000
Sokalan CP 2696		Liquid	48	3500	20	7	–	1.30	700

All figures are approx. values, * PN = Partly neutralised, ** undiluted, DIN 19268

Dispersing agents

Product	Chemical nature	Physical form	Concentration [%]	Molar mass [g/mol]	K-value	pH	Bulk density [g/l]	Density [g/cm ³]	Viscosity [mPa · s]
Sokalan PA 15	Polyacrylic acid, Na-salt	Liquid	45	1200	15	8	–	1.31	250
Sokalan PA 20		Liquid	45	2500	20	8	–	1.32	400
Sokalan PA 20 X-PN		Liquid	40	3500	20	4	–	1.18	50
Sokalan PA 25 X		Liquid	45	5000	25	8	–	1.30	800
Sokalan PA 25 CL Granules		Granules	92	4000	25	8	600	–	–
Sokalan PA 25 CL PN		Liquid	49	4000	25	4	–	1.25	600
Sokalan PA 30 CL		Liquid	45	8000	30	8	–	1.34	1300
Sokalan PA 30 CL Granules		Granules	92	8000	30	8	620	–	–
Sokalan PA 30 CL PN Granules		Granules	93	8000	30	4	620	–	–
Sokalan PA 40		Liquid	35	15000	40	7**	–	1.24	250
Sokalan PA 70 PN		Liquid	30	70000	70	5**	–	1.17	300
Sokalan PA 25 X S	Polyacrylic acid	Liquid	49	5000	25	2	–	1.20	500
Sokalan PA 80 S		Liquid	35	100000	80	2	–	1.14	1000
Sokalan PA 110 S		Liquid	35	250000	110	2	–	1.14	5000

Thickener

Product	Chemical nature	Physical form	Concentration [%]	Molar mass [g/mol]	pH	Bulk density [g/l]	Density [g/cm ³]	Viscosity [mPa · s]
Rheovis CDE	Polyacrylate, modified	Dispersion	50	–	3.5**	–	1.00	250
Rheovis CSP		Pearl	100	–	3.5	ca. 750	–	–
Rheovis FRC		Dispersion	55	–	3.5**	–	1.05	3000
Rheovis AT 120	Methacrylic acid/acrylic acid copolymer, modified	Dispersion	30	–	3	–	1.05	30
Rheovis TTA	Acrylic copolymer	Dispersion	30	–	2**	–	–	10**

All figures are approx. values, ** undiluted, DIN 19268

Polyethylene imines

Product	Physical form	Concentration [%]	Molar mass [g/mol]	Solvent	pH	Density [g/cm ³]	Viscosity [mPa · s]	Charge density [meq/g TS]
Lupasol FG	Liquid	99	800	–	11	1.02	1500	16
Lupasol G 20 water free	Liquid	99	1300	–	11	1.03	8000	16
Lupasol G 20	Liquid	50	1300	Water	11	1.08	400	16
Lupasol G 35	Liquid	50	2000	Water	11	1.08	600	16
Lupasol G 100	Liquid	50	5000	Water	11	1.08	1100	16
Lupasol HF	Liquid	56	25000	Water	11	1.08	11000	17
Lupasol P	Liquid	50	750000	Water	11	1.09	25000	17
Lupasol PR 8515	Liquid	99	2000	–	11	1.05	14000	16
Lupasol PS	Liquid	33	750000	Water	11	1.08	1700	17
Lupasol WF	Liquid	99	25000	–	11	1.10	>200000	17

Modified Polyethylene imines

Product	Physical form	Concentration [%]	Molar mass [g/mol]	Solvent	pH	Density [g/cm ³]	Viscosity [mPa · s]	Charge density [meq/g TS]
Sokalan HP 20	Liquid	80	–	Water	10	1.13	800	–
Lupasol PN 50	Liquid	49	1000000	Water	8	1.10	6000	–
Lupasol PN 60	Liquid	40	–	Water	4	1.14	500	–
Lupasol PN 70	Liquid	50	–	Water	9	1.05	600	–
Lupasol PO 100	Liquid	50	5000	Methoxypropanole	10	1.00	300 ¹⁾	–
Lupasol SK	Liquid	24	2000000	Water	7	1.06	700	8

¹⁾ at 50 °C

All figures are approx. values, PN = Partly neutralised, ** undiluted, DIN 19268

Test methods for Sokalan types

Physical form	at 23 °C
Concentration	DIN EN ISO 3251 drying to constant mass
Average Molar mass	Gel Permeation Chromatography (calibration with polystyrene sulphonates/ or polyacrylates)
K-value	1% dry substance in dist. water (pH 7)
pH-value	DIN 19268 10% dry substance in dist. water
Bulk density	DIN ISO 697
Density	DIN 51757, 23 °C
Viscosity	Brookfield, 23 °C, undiluted

Test methods for Rheovis types

Physical form	at 23 °C
Concentration	specific for each product, please refer to the Product Specification or Technical Information
pH-value	DIN 19268 1% in dist. water
Bulk density	DIN ISO 697
Density	DIN 51757, 23 °C
Viscosity	Brookfield, 23 °C, undiluted

Test methods for Lupasol types

Physical form	visual, at 20 °C
Concentration	dry content, (constant weight)
Average Molar mass	Light scattering or GPC
Water	ISO 760, (Karl-Fischer)
pH-value	DIN 19268 1% dry content in dist. water
Density	DIN 51757, 20 °C
Viscosity	Brookfield, 20 °C, undiluted
Charge density	BASF method, 100% dry content (TS), at pH 4.5