

# QUALITY PERFORMS.



## Product Guide

Portfolio of **Lewatit**<sup>®</sup> ion exchange resins and **Bayoxide**<sup>®</sup> iron oxide adsorbers.

**X Lewatit**<sup>®</sup>   **X Bayoxide**<sup>®</sup>

QUALITY WORKS.

**LANXESS**  
Energizing Chemistry

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## CATALYSIS & CHEMICALS PROCESSING

### Chelating Resins

Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): Monodisperse (MD, mean value) Heterodisperse: (HD, share >90%)	Uniformity Coefficient max.	Total Capacity (eq/l) min. (H Form)	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® MDS TP 208	Styrene/DVB macroporous	Na <sup>+</sup>	750	MD: 0.38 (+/- 0.04)	1.15	2.8	-35 (Na <sup>+</sup> →H <sup>+</sup> )	59 – 65	Hydrometallurgy, Mining
Lewatit® MDS TP 220	Styrene/DVB macroporous	H <sub>2</sub> SO <sub>4</sub> salt	725	MD: 0.38 (+/- 0.03)	1.15	36 g/L Cu capacity	-30 (deliver. → free base)	50 – 58	Hydrometallurgy, Mining, Chloralkali, brine purification
Lewatit® MDS TP 260	Styrene/DVB macroporous	Na <sup>+</sup>	784	MD: 0.40 (+/- 0.04)	1.15	3.0	-35 (Na <sup>+</sup> →H <sup>+</sup> )	63	Hydrometallurgy, Mining, Chloralkali, brine purification
Lewatit MonoPlus® TP 207	Styrene/DVB macroporous	Na <sup>+</sup>	720	MD: 0.61 (+/- 0.05)	1.1	2.0	-25 (Na <sup>+</sup> →H <sup>+</sup> )	55 – 60	Hydrometallurgy, Mining
Lewatit MonoPlus® TP 208	Styrene/DVB macroporous	Na <sup>+</sup>	740	MD: 0.65 (+/- 0.05)	1.1	2.5	-30 (Na <sup>+</sup> →H <sup>+</sup> )	58 – 64	Hydrometallurgy, Mining, Chloralkali, brine purification
Lewatit MonoPlus® TP 209 XL	Styrene/DVB macroporous	Na <sup>+</sup>	709	MD: 0.65 (+/- 0.05)	1.2	2.0	-35 (Na <sup>+</sup> →H <sup>+</sup> )	48-53	Hydrometallurgy, Mining
Lewatit MonoPlus® TP 214	Styrene/DVB macroporous	H <sup>+</sup>	680	MD: 0.55 (+/- 0.05)	1.1	110 g/L Ag capacity	-	54 – 60	Hydrometallurgy, Mining
Lewatit MonoPlus® 220	Styrene/DVB macroporous	H <sub>2</sub> SO <sub>4</sub> salt	670	MD: 0.62 (+/- 0.05)	1.1	29 g/L Cu capacity	-23 (deliver. → free base)	50 – 56	Hydrometallurgy, Mining
Lewatit MonoPlus® TP 260	Styrene/DVB, macroporous	Na <sup>+</sup>	720	MD: 0.63 (+/- 0.05)	1.1	2.4	-35 (Na <sup>+</sup> →H <sup>+</sup> )	58 - 62	Hydrometallurgy, Mining, Chloralkali, brine purification

## CATALYSIS & CHEMICALS PROCESSING

### SAC (Catalyst Resins)

Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): <small>Monodisperse (MD, mean value) Heterodisperse: (HD, share &gt;90%)</small>	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® GF 101	Styrene/DVB macroporous	H <sup>+</sup>	725	HD: 0.4 – 1.25	1.6	4.7	-	55 - 65	Catalysis, Biodiesel
Lewatit® GF 202	Styrene/DVB macroporous	Na <sup>+</sup>	740	MD: 0.65 (+/- 0.05)	1.1	200 g glycerol / l	-	66 - 72	Biodiesel purification
Lewatit® K 1131 S	Styrene/DVB gel	H <sup>+</sup>	770	HD: 0.5 – 1.6	1.6	0.65	-	78 - 82	Catalysis
Lewatit® K 1221	Styrene/DVB gel	H <sup>+</sup>	760	HD: 0.4 – 1.25	1.6	1.2	-	65 – 69	Catalysis
Lewatit® K 1261	Styrene/DVB gel	H <sup>+</sup>	760	MD: 0.65 (+/- 0.05)	1.1	1.2	-	65 – 69	Catalysis
Lewatit® K 1461 black	Styrene/DVB gel	H <sup>+</sup>	795	MD: 0.65 (+/- 0.06)	1.1	1.8	-	47 – 53	Catalysis
Lewatit® K 2420	Styrene/DVB macroporous	H <sup>+</sup>	740	HD: 0.5 – 1.6	1.8	1.4	-	63 – 68	Catalysis / High temperature
Lewatit® K 2431	Styrene/DVB macroporous	H <sup>+</sup>	770	HD: 0.4 – 1.6	1.7	1.2	-	48 – 54	Catalysis
Lewatit® K 2620	Styrene/DVB macroporous	H <sup>+</sup>	760	HD: 0.4 – 1.25	1.6	1.9	-	50 – 55	Catalysis / High temperature
Lewatit® K 2621	Styrene/DVB macroporous	H <sup>+</sup>	760	HD: 0.4 – 1.25	1.6	1.4	-	57 – 63	Catalysis
Lewatit® K 2624	Styrene/DVB macroporous	H <sup>+</sup> / Pd	760	HD: 0.4 – 1.25	1.6	1.4	-	57 – 63	Catalysis / Trifunctional
Lewatit® K 2629	Styrene/DVB macroporous	H <sup>+</sup>	760	HD: 0.4 – 1.25	1.6	1.7	-	50 - 55	Catalysis
Lewatit® K 2649	Styrene/DVB macroporous	H <sup>+</sup>	450	HD: 0.4 – 1.25	1.6	4.7	-	< 2 (residl. moisture)	Catalysis
Regler ZL	Styrene/DVB gel	H <sup>+</sup>	450	< 0.032	-	4.8	-	<4 (residl. moisture)	Catalysis

## CATALYSIS & CHEMICALS PROCESSING

### WBA (Specialties)

Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): <small>Monodisperse (MD, mean value) Heterodisperse: (HD, share &gt;90%)</small>	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® FO 36	Styrene/DVB macroporous	FeO(OH)	765	MD: 0.34 (+/- 0.04)	1.15	1.5 g As/l (standard)	0 (during exhaustion)	48 – 58	Specialized water
Lewatit® K 3433	Styrene/DVB macroporous	FB / Pd	670	HD: 0.4 – 1.25	1.6	-	-	50 – 55	Catalysis / Deoxygenation
Lewatit® MP 62 WS	Styrene/DVB macroporous	FB	620	HD: 0.4 – 1.25	1.6	1.7	45 (FB → Cl)	50 – 55	Catalysis / Deoxygenation
Lewatit® VP OC 1065	Styrene/DVB macroporous	FB	630 - 710	HD: 0.3 – 1.25	1.8	2.2	-	65 – 70	Reactive resin

**CATALYSIS & CHEMICALS PROCESSING**
**SBA (Specialties)**

Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): Monodisperse (MD, mean value) Heterodisperse (HD, share >90%)	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® DW 630	Styrene/DVB macroporous	SO <sub>4</sub> <sup>2-</sup>	640	MD: 0.64 (+/- 0.06)	1.1	1.1	16 (during exhaustion)	58 – 64	Removal of natural organic material, uranium carbonate complexes and sulphate from potable water
Lewatit® K 1000 U SO4	Styrene/DVB macroporous	SO <sub>4</sub> <sup>2-</sup>	710	MD: 0.85 (+/- 0.05)	1.1	1.0	10 (Cl <sup>-</sup> →SO <sub>4</sub> <sup>2-</sup> )	55 – 60	Hydrometallurgy, Mining
Lewatit® K 6362	Styrene/DVB gel	Cl <sup>-</sup>	690	MD: 0.62 (+/- 0.05)	1.1	1.3	22 (Cl <sup>-</sup> →OH <sup>-</sup> )	48 – 55	Hydrometallurgy, Mining
Lewatit® K 6367	Styrene/DVB gel	Cl <sup>-</sup>	630	MD: 0.92 (+/- 0.05)	1.2	1.2	22 (Cl <sup>-</sup> →OH <sup>-</sup> )	49 – 54	Hydrometallurgy, Mining
Lewatit® K 6462	Styrene/DVB gel	Cl <sup>-</sup>	650	MD: 0.59 (+/- 0.05)	1.1	1.4	22 (Cl <sup>-</sup> →OH <sup>-</sup> )	45 – 50	Hydrometallurgy, Mining
Lewatit® K 7333	Styrene/DVB gel	OH <sup>-</sup> / Pd	680	MD: 0.64 (+/- 0.05)	1.1	-	-	62 – 67	Catalysis / Deoxygenation
Lewatit® MonoPlus SR 7	Styrene/DVB macroporous	Cl <sup>-</sup>	630	MD: 0.62 (+/- 0.05)	1.1	0.6	5 (Cl <sup>-</sup> →NO <sub>3</sub> <sup>-</sup> )	59 – 64	Specialized water

**CATALYSIS & CHEMICALS PROCESSING**
**Adsorber and Solvent Impregnated Resins**

Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): Monodisperse (MD, mean value) Heterodisperse (HD, share >90%)	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® AF 5	Carbon microporous	None	550 - 650	HD: 0.4 – 1.8	-	-	-	-	Adsorption of organic substances, purification of water
Lewatit® TP 272	Styrene/DVB macroporous	H <sup>+</sup>	590	HD: 0.3 – 1.6	1.8	12.5 g/L Zn capacity	-	-	Hydrometallurgy, Mining
Lewatit® VP OC 1026	Styrene/DVB macroporous	H <sup>+</sup>	600	HD: 0.3 – 1.6	1.9	13 g/L Zn capacity	-	27 – 34	Hydrometallurgy, Mining
Lewatit® VP OC 1064 MD PH	DVB / porous	-	620	MD: 0.49 (+/- 0.05)	1.1	-	-	54 – 63	Adsorption
Bayoxide® E IN 20	FeO(OH)	-	460 - 570	0.4 – 1.9	-	-	0 (during exhaustion)	20	Specialized water, non-potable water
Bayoxide® E IN 30	FeO(OH)	-	750 - 950	0.6 – 1.9	-	-	0 (during exhaustion)	20	Specialized water, non-potable water
Bayoxide® E 33	FeO(OH)	-	460 - 570	0.4 – 1.9	-	-	0 (during exhaustion)	20	Specialized water, potable water
Bayoxide® E 33 HC	FeO(OH)	-	750 - 950	0.6 – 1.9	-	-	0 (during exhaustion)	20	Specialized water, potable water

FOOD									
WAC									
Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): Monodisperse (MD, mean value) Heterodisperse: (HD, share >90%)	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max. approx.	Water Retention (%)	Applications
Lewatit® CNP C	Polyacrylate macroporous	H <sup>+</sup>	770	HD: 0.4 – 1.6	1.8	3.8	7 (H <sup>+</sup> →Ca <sup>2+</sup> )	54 – 57	Cartridge / Dealkalization
Lewatit® CNP LF	Polyacrylate macroporous	H <sup>+</sup>	750	HD: 0.4 – 1.6	1.8	4.3	7 (H <sup>+</sup> →Ca <sup>2+</sup> )	45 – 49	Cartridge / Dealkalization
Lewatit® CNP LF Na	Polyacrylate macroporous	H <sup>+</sup> / Na <sup>+</sup>	760	HD: 0.4 – 1.6	1.8	4.3 (H)	7 (H <sup>+</sup> →Ca <sup>2+</sup> )	46 – 50	Cartridge / Softening, Dealkalization
Lewatit® CNP P	Polyacrylate macroporous	H <sup>+</sup>	770	HD: 0.4 – 1.6	1.8	4.5	7 (H <sup>+</sup> →Ca <sup>2+</sup> )	48 – 51	Cartridge / Dealkalization
Lewatit® S 8107	Polyacrylate macroporous	H <sup>+</sup>	780	HD: 0.4 – 1.6	1.8	3.8	7 (H <sup>+</sup> →Ca <sup>2+</sup> )	44 – 58	Cartridge / Dealkalization
Lewatit® S 8227	Polyacrylate macroporous	H <sup>+</sup>	770	HD: 0.4 – 1.6	1.8	4.3	7 (H <sup>+</sup> →Ca <sup>2+</sup> )	49 – 53	Cartridge / Dealkalization
Lewatit® S 8227 Ca	Polyacrylate macroporous	Ca <sup>2+</sup>	820	HD: 0.4 – 1.6	1.8	4.3 (H)	-10 (Ca <sup>2+</sup> →H <sup>+</sup> )	45 – 49	Cartridge
Lewatit® S 8227 Mg	Polyacrylate macroporous	Mg <sup>2+</sup>	800	HD: 0.4 – 1.6	1.8	4.3 (H)	-30 (Mg <sup>2+</sup> →Ca <sup>2+</sup> )	52 – 62	Cartridge
Lewatit® S 8229	Polyacrylate macroporous	H <sup>+</sup> / Na <sup>+</sup>	770	HD: 0.4 – 1.6	1.8	4.3 (H)	7 (H <sup>+</sup> →Ca <sup>2+</sup> )	43 – 57	Cartridge / Softening, Dealkalization
Lewatit® S 8229 Plus X	Polyacrylate macroporous	H <sup>+</sup> / Na <sup>+</sup>	770	HD: 0.4 – 1.6	1.8	4.3 (H)	-4 (H <sup>+</sup> /Na <sup>+</sup> →Ca <sup>2+</sup> )	59 – 63	Cartridge / Softening, Dealkalization
Lewatit® S 8229 DRY	Polyacrylate macroporous	H <sup>+</sup> / Na <sup>+</sup>	770	HD: 0.4 – 1.6	1.8	4.3 (H)	7 (H <sup>+</sup> →Ca <sup>2+</sup> )	47 – 55	Cartridge / Softening, Decarbonization
Lewatit® S 8229 Plus Ag	Polyacrylate macroporous	H <sup>+</sup> / Na <sup>+</sup> / Ag	850	HD: 0.4 – 1.6	1.8	4.3 (H)	-25 (H <sup>+</sup> /Na <sup>+</sup> →Ca <sup>2+</sup> )	55 – 66	Cartridge / Softening, Dealkalization
Lewatit® S 8528	Polyacrylate macroporous	H <sup>+</sup>	750	HD: 0.4 – 1.6	1.8	4.30	70 (H <sup>+</sup> →Na <sup>+</sup> )	45 - 50	Sugar / Demineralization

FOOD									
SAC									
Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): Monodisperse (MD, mean value) Heterodisperse: (HD, share >90%)	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® S 1568	Styrene/DVB gel	Na <sup>+</sup>	830	MD: 0.60 (+/- 0.05)	1.1	2.0	10 (Na <sup>+</sup> →H <sup>+</sup> )	42 – 48	Food solutions / Demineralization lysine
Lewatit® S 1668	Styrene/DVB gel	Na <sup>+</sup>	840	MD: 0.62 (+/- 0.05)	1.1	2.2	10 (Na <sup>+</sup> →H <sup>+</sup> )	41 – 46	Food / Lysine / Demineralization
Lewatit® S 2328	Styrene/DVB macroporous	H <sup>+</sup>	730	HD: 0.4 – 1.25	1.7	1.0	12 (Na <sup>+</sup> →H <sup>+</sup> )	67 – 73	Sugar / Inversion
Lewatit® S 2528	Styrene/DVB macroporous	Na <sup>+</sup>	760	HD: 0.4 – 1.25	1.6	1.75	7 (Na <sup>+</sup> →H <sup>+</sup> )	48 – 50	Food / Sugar / Sweetener / Demineralization
Lewatit® S 2568	Styrene/DVB macroporous	Na <sup>+</sup>	740	MD: 0.65 (+/- 0.05)	1.1	1.7	8 (Na <sup>+</sup> →H <sup>+</sup> )	52 – 57	Food / Sugar / Sweetener / Demineralization
Lewatit® S 2568 H	Styrene/DVB macroporous	H <sup>+</sup>	740	MD: 0.67 (+/- 0.05)	1.1	1.6	8 (Na <sup>+</sup> →H <sup>+</sup> )	54 – 60	Food / Sugar / Sweetener / Mixed bed

FOOD									
WBA									
Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): <small>Monodisperse (MD, mean value) Heterodisperse (HD, share &gt;90%)</small>	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® A 365	Polyacrylate macroporous	FB	730	HD: 0.4 – 1.6	1.7	3.4	18 (FB→Cl <sup>-</sup> )	44 – 51	Food / Demineralization
Lewatit® S 4228	Styrene/DVB macroporous	FB / Cl <sup>-</sup>	680	HD: 0.4 – 1.25	1.6	1.6	30 (FB→Cl <sup>-</sup> )	53 – 59	Sugar / Sweetener / Demineralization
Lewatit® S 4268	Styrene/DVB macroporous	FB / Cl <sup>-</sup>	620	MD: 0.59 (+/- 0.05)	1.1	1.3	17 (FB→Cl <sup>-</sup> )	62 – 64	Food / Sweetener / Demineralization
Lewatit® S 4328	Styrene/DVB macroporous	FB / Cl <sup>-</sup>	620	HD: 0.4 – 1.25	1.6	1.4	25 (FB→Cl <sup>-</sup> )	51 – 57	Food / Sugar / Demineralization
Lewatit® S 4428	Styrene/DVB macroporous	FB / Cl <sup>-</sup>	640	HD: 0.4 – 1.25	1.6	1.6	30 (FB→Cl <sup>-</sup> )	47 – 52	Sweetener / Demineralization low inversion
Lewatit® S 4468	Styrene/DVB macroporous	FB / Cl <sup>-</sup>	650	MD: 0.56 (+/- 0.05)	1.1	1.6	31 (FB→Cl <sup>-</sup> )	52 – 57	Sweetener / Demineralization low inversion
Lewatit® S 4528	Styrene/DVB macroporous	FB	620	HD: 0.4 – 1.25	1.5	1.7	48 (FB→Cl <sup>-</sup> )	42 – 53	Food / Sweetener Demineralization
Lewatit® S 5221	Polyacrylate macroporous	FB	690	HD: 0.4 – 1.25	1.7	3.0	25 (FB →Cl <sup>-</sup> )	51 – 61	Food / Whey / Demineralization
Lewatit® S 5228	Polyacrylate gel	FB	680	HD: 0.4 – 1.25	1.8	1.5	25 (FB →Cl <sup>-</sup> )	56 – 64	Food / Whey / Demineralization
Lewatit® S 5328	Polyacrylate gel	FB / Cl <sup>-</sup>	720	HD: 0.4 – 1.25	1.8	1.25	10 (FB →Cl <sup>-</sup> )	57 – 65	Sugar / Whey / Demineralization

FOOD									
SBA – Type I									
Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): <small>Monodisperse (MD, mean value) Heterodisperse (HD, share &gt;90%)</small>	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® S 5128	Polyacrylate gel	Cl <sup>-</sup>	730	HD: 0.4 – 1.6	1.8	1.25	25 (Cl <sup>-</sup> →OH <sup>-</sup> )	57 – 64	Sugar / Decolorization
Lewatit® S 5428	Polyacrylate macroporous	Cl <sup>-</sup>	725	HD: 0.4 – 1.25	1.8	0.85	25 (Cl <sup>-</sup> →OH <sup>-</sup> )	66 – 72	Sugar / Decolorization
Lewatit® S 5528	Polyacrylate macroporous	Cl <sup>-</sup>	720	HD: 0.4 – 1.25	1.8	0.85	25 (Cl <sup>-</sup> →OH <sup>-</sup> )	66 – 72	Sugar / Decolorization
Lewatit® S 6268	Styrene/DVB gel	Cl <sup>-</sup>	700	MD: 0.62 (+/- 0.05)	1.1	1.2	23 (Cl <sup>-</sup> →OH <sup>-</sup> )	53 – 60	Sugar / Decolorization
Lewatit® S 6368 A	Styrene/DVB macroporous	Cl <sup>-</sup>	640	MD: 0.62 (+/- 0.05)	1.1	1.0	20 (Cl <sup>-</sup> →OH <sup>-</sup> )	60 – 65	Sugar / Decolorization / Demineralization
Lewatit® S 6368 A SO4	Styrene/DVB macroporous	SO <sub>4</sub> <sup>2-</sup>	680	MD: 0.63 (+/- 0.05)	1.1	1.0 (Cl <sup>-</sup> )	20 (Cl <sup>-</sup> →OH <sup>-</sup> )	58 – 64	Sugar / Decolorization
Lewatit® S 6368 A OH	Styrene/DVB macroporous	OH <sup>-</sup>	650	MD: 0.66 (+/- 0.05)	1.1	1.0 (Cl <sup>-</sup> )	20 (Cl <sup>-</sup> →OH <sup>-</sup> )	72 – 80	Sugar / Decolorization

**FOOD**

**SBA – Type II**

Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): <small>Monodisperse (MD, mean value) Heterodisperse: (HD, share &gt;90%)</small>	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® S 7468	Styrene/DVB macroporous	Cl <sup>-</sup>	630	MD: 0.60 (+/- 0.05)	1.1	1.0	15 (Cl <sup>-</sup> →OH <sup>-</sup> )	58 – 63	Sweetener / mixed bed polisher

**FOOD**

**ADS**

Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): <small>Monodisperse (MD, mean value) Heterodisperse: (HD, share &gt;90%)</small>	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® S 7968	Styrene/DVB macroporous	-	600	MD: 0.49 (+/- 0.05)	1.1	-	-	50 – 60	Food / Polisher / Debitting

**FOOD**

**Mixed Bed (MB)**

Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): <small>Monodisperse (MD, mean value) Heterodisperse: (HD, share &gt;90%)</small>	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® S 9167	Styrene/DVB gel	H <sup>+</sup> / OH <sup>-</sup>	690-730	MD: 0.63 (+/- 0.05)	1.1	2.0 (H) 1.2 (OH)	-14 (H <sup>+</sup> /OH <sup>-</sup> →Cl <sup>-</sup> )	54 – 59	Food grade mixed bed



## FOOD

### Separation SAC

Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 10%	Bead Size (mm): <small>Monodisperse (MD, mean value) Heterodisperse (HD, share &gt;90%)</small>	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® MDS 1268 Ca 290	Styrene/DVB gel	Ca <sup>2+</sup>	850	0.26 – 0.32	1.15	1.5 (H)	-	55 – 67 (H)	Sweetener / Glucose / Fructose separation
Lewatit® MDS 1268 Ca 310	Styrene/DVB gel	Ca <sup>2+</sup>	835	0.28 – 0.34	1.15	1.5 (H)	-	55 – 67 (H)	Sweetener / Glucose / Fructose separation
Lewatit® MDS 1268 K 310	Styrene/DVB gel	K <sup>+</sup>	835	0.28 – 0.34	1.15	1.5 (H)	-	55 – 67 (H)	Sugar / Separation of Molasses
Lewatit® MDS 1268 K 350	Styrene/DVB gel	K <sup>+</sup>	835	0.32 – 0.38	1.15	1.5 (H)	-	55 – 67 (H)	Sugar / Separation of Molasses
Lewatit® MDS 1368 Ca 320	Styrene/DVB gel	Ca <sup>2+</sup>	850	0.29 – 0.35	1.1	1.8 (H)	-	47 – 53 (H)	Sweetener / Glucose / Fructose separation
Lewatit® MDS 1368 Ca 350	Styrene/DVB gel	Ca <sup>2+</sup>	850	0.32 – 0.38	1.1	1.8 (H)	-	47 – 53 (H)	Sweetener / Glucose / Fructose separation
Lewatit® MDS 1368 K 320	Styrene/DVB gel	K <sup>+</sup>	835	0.29 – 0.35	1.1	1.8 (H)	-	47 – 53 (H)	Sugar / Separation of Molasses
Lewatit® MDS 1368 Na 320	Styrene/DVB gel	Na <sup>+</sup>	840	0.29 – 0.35	1.1	1.8 (H)	-	47 – 53 (H)	Sugar / Separation of Molasses
Lewatit® MDS 1368 Na 350	Styrene/DVB gel	Na <sup>+</sup>	840	0.32 – 0.38	1.1	1.8 (H)	-	47 – 53 (H)	Sugar / Separation of Molasses
Lewatit® MDS 1468 Ca 220	Styrene/DVB gel	Ca <sup>2+</sup>	870	0.19 – 0.25	1.15	1.8 (H)	-	50 – 57 (H)	Sweetener / Glucose / Fructose separation
Lewatit® MDS 2368	Styrene/DVB gel	Na <sup>+</sup>	740	0.36 – 0.40	1.1	1.1	<sup>12</sup> (Na <sup>+</sup> → H <sup>+</sup> )	63 – 68	Sweetener / Size separation

## FOOD

### Separation WBA

Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): <small>Monodisperse (MD, mean value) Heterodisperse (HD, share &gt;90%)</small>	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® MDS 4368	Styrene/DVB macroporous	FB / Cl <sup>-</sup>	665	MD: 0.35 (+/- 0.05)	1.1	1.4	<sup>26</sup> (FB → Cl <sup>-</sup> )	61 – 66	Food / Glucose / Organic acid separation

## WATER TREATMENT

### WAC

Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): <small>Monodisperse (MD, mean value) Heterodisperse (HD, share &gt;90%)</small>	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® CNP 80	Polyacrylate, porous	H <sup>+</sup>	750	HD: 0.315 – 1.6	1.8	4.3	<sup>64</sup> (H <sup>+</sup> → Na <sup>+</sup> )	45 – 50	Water treatment, decarbonization
Lewatit® CNP 80 WS	Polyacrylate, porous	H <sup>+</sup>	750	HD: 0.4 – 1.6	1.8	4.5	<sup>64</sup> (H <sup>+</sup> → Na <sup>+</sup> )	45 – 50	Water treatment, decarbonization

## WATER TREATMENT

### SAC

Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): <small>Monodisperse (MD, mean value) Heterodisperse (HD, share &gt;90%)</small>	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® C 249	Styrene/DVB gel	Na <sup>+</sup>	832	HD: 0.4 – 1.25	1.6	2.0	7 (Na <sup>+</sup> →H <sup>+</sup> )	45 – 48	Water treatment, demineralization
Lewatit MonoPlus® C 249 NS	Styrene/DVB, gel	Na <sup>+</sup>	840	MD: 0.60 (+/- 0.05)	1.1	2.0	10 (Na <sup>+</sup> →H <sup>+</sup> )	44 – 50	Water treatment, softening, prod. without solvents, food grade
Lewatit® C 267	Styrene/DVB gel	H <sup>+</sup>	800	HD: 0.3 – 1.25	1.6	1.9	-7 (H <sup>+</sup> →Na <sup>+</sup> )	49 – 54	Demineralization
Lewatit MonoPlus® S 107 NS	Styrene/DVB gel	Na <sup>+</sup>	810	MD: 0.60 (+/- 0.05)	1.1	2.0	12 (Na <sup>+</sup> →H <sup>+</sup> )	44 – 50	Demineralization
Lewatit MonoPlus® S 108	Styrene/DVB gel	Na <sup>+</sup>	840	MD: 0.62 (+/- 0.05)	1.1	2.2	10 (Na <sup>+</sup> →H <sup>+</sup> )	41 – 46	Demineralization
Lewatit MonoPlus® S 108 H	Styrene/DVB gel	H <sup>+</sup>	795	MD: 0.65 (+/- 0.05)	1.1	2.0	-10 (H <sup>+</sup> →Na <sup>+</sup> )	47 – 53	Demineralization
Lewatit MonoPlus® S 108 KR	Styrene/DVB gel	H <sup>+</sup>	795	MD: 0.65 (+/- 0.05)	1.1	2.0	-10 (H <sup>+</sup> →Na <sup>+</sup> )	47 – 53	Nuclear grade cation exchanger for decontamination
Lewatit MonoPlus® SP 112	Styrene/DVB, macroporous	Na <sup>+</sup>	740	MD: 0.65 (+/- 0.05)	1.1	1.7	8 (Na <sup>+</sup> →H <sup>+</sup> )	52 – 57	Demineralization
Lewatit MonoPlus® SP 112 H	Styrene/DVB, macroporous	H <sup>+</sup>	740	MD: 0.67 (+/- 0.05)	1.1	1.6	-8 (H <sup>+</sup> →Na <sup>+</sup> )	56 – 60	Demineralization
Lewatit MonoPlus® SP 112 KR	Styrene/DVB, macroporous	H <sup>+</sup>	740	MD: 0.67 (+/- 0.05)	1.1	1.6	-8 (H <sup>+</sup> →Na <sup>+</sup> )	56 – 60	Demineralization
Lewatit® S 1567	Styrene/DVB, gel	Na <sup>+</sup>	840	MD: 0.60 (+/- 0.05)	1.1	2.0	10 (Na <sup>+</sup> →H <sup>+</sup> )	44 – 50	Water treatment, softening, prod. without solvents, food grade
Lewatit MonoPlus® S 200 KR	Styrene/DVB gel	H <sup>+</sup>	790	MD: 0.60 (+/- 0.05)	1.1	2.1	-6 (H <sup>+</sup> →Na <sup>+</sup> )	45 – 50	Nuclear grade cation for condensate polishing and decontamination
Lewatit MonoPlus® S 215 KR	Styrene/DVB gel	H <sup>+</sup>	795	MD: 0.62 (+/- 0.05)	1.1	2.4	-8 (H <sup>+</sup> →Na <sup>+</sup> )	40 – 45	Nuclear grade cation for condensate polishing and decontamination
Lewatit® S 100 G1	Styrene/DVB gel	H <sup>+</sup>	760	HD: 0.5 - 1.25	1.6	1.8	-8 (H <sup>+</sup> →Na <sup>+</sup> )	50 – 55	Demineralization
Lewatit® UltraPure 1211 MD	Styrene/DVB gel	Na <sup>+</sup>	840	MD: 0.62 (+/- 0.05)	1.1	2.2	10 (Na <sup>+</sup> →H <sup>+</sup> )	41 – 46	Uniform particle size high purity cationic exchanger
Lewatit® UltraPure 1213 MD	Styrene/DVB gel	H <sup>+</sup>	790	MD: 0.60 (+/- 0.05)	1.1	2.0	-6 (H <sup>+</sup> →Na <sup>+</sup> )	45 – 55	Uniform particle size high purity cationic exchanger
Lewatit® UltraPure 1221 MD	Styrene/DVB macroporous	Na <sup>+</sup>	750	MD: 0.65 (+/- 0.05)	1.1	1.75	8 (Na <sup>+</sup> →H <sup>+</sup> )	52 – 56	Uniform particle size high purity cationic exchanger

## WATER TREATMENT

### WBA

Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): <small>Monodisperse (MD, mean value) Heterodisperse: (HD, share &gt;90%)</small>	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® A 365	Polyacrylate macroporous	FB	730	HD: 0.4 – 1.6	1.7	3.4	16 (FB →Cl <sup>-</sup> )	44 – 51	Food grade anion exchanger for demineralization
Lewatit® A 8072	Polyacrylate gel	FB	680	HD: 0.55 (+/- 0.05, effect bead size)	1.8	1.5	25 (FB →Cl <sup>-</sup> )	56 – 62	Water treatment, demineralization
Lewatit® A 8072+	Polyacrylate gel	FB	680	HD: 0.57-0,74 (+/- 0.05, effect bead size)	1.8	1.5	15 (FB →Cl <sup>-</sup> )	56 – 64	Water treatment, demineralization
Lewatit® A 8075 KR	Polyacrylate macroporous	FB	730	HD: 0.4 -1.6	1.7	3.5	16 (FB →Cl <sup>-</sup> )	44 – 51	Unique high capacity anion exchanger for rad waste and special applications
Lewatit® MP 62	Styrene/DVB macroporous	FB	620	HD: 0.47 (+/- 0.06, effect bead size)	1.8	1.7	45 (FB →Cl <sup>-</sup> )	50 – 55	Water treatment, demineralization

## WATER TREATMENT

### MBA

Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): <small>Monodisperse (MD, mean value) Heterodisperse: (HD, share &gt;90%)</small>	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® A 8073	Polyacrylate gel	FB / Cl <sup>-</sup>	670	HD: 0.55 (+/- 0.05, effective bead size)	1.8	1.2	Total: 25 (delivery form →OH <sup>-</sup> )	57 – 65	Water treatment, demineralization
Lewatit MonoPlus® MP 64	Styrene/DVB macroporous	FB / Cl <sup>-</sup>	620	MD: 0.59 (+/- 0.05)	1.1	1.3	Total: 24 (delivery form →OH <sup>-</sup> )	61 – 66	Water treatment, demineralization
Lewatit MonoPlus® MP 68	Styrene/DVB macroporous	FB / Cl <sup>-</sup>	600	MD: 0.54 (+/- 0.05)	1.1	1.3	Total: 24 (delivery form →OH <sup>-</sup> )	54 – 60	Water treatment, demineralization
Lewatit® UltraPure 1231 MD	Styrene/DVB macroporous	FB / Cl <sup>-</sup>	620	MD: 0.60 (+/- 0.05)	1.1	1.4	Total: 24 (delivery form →OH <sup>-</sup> )	61 – 66	Water treatment, demineralization
Lewatit® UltraPure 1232 MD	Styrene/DVB macroporous	FB / Cl <sup>-</sup>	620	MD: 0.54 (+/-0.05)	1.1	1.3	Total: 24 (delivery form →OH <sup>-</sup> )	54 – 60	Water treatment, demineralization

# WATER TREATMENT

## SBA – Type I

Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): Monodisperse (MD, mean value) Heterodisperse (HD, share >90%)	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® A 8071	Polyacrylate gel	Cl <sup>-</sup>	730	HD: 0.4 – 1.6	1.8	1.25	25 (Cl <sup>-</sup> →OH <sup>-</sup> )	55 – 61	Demineralization, absorption of TOC
Lewatit® ASB 1	Styrene/DVB gel	Cl <sup>-</sup>	704	HD: 0.3 – 1.25	1.6	1.4	20 (Cl <sup>-</sup> →OH <sup>-</sup> )	43 – 48	Demineralization
Lewatit® ASB 1 OH	Styrene/DVB gel	OH <sup>-</sup>	655	HD: 0.3 – 1.25	1.6	1.15	20 (Cl <sup>-</sup> →OH <sup>-</sup> )	55 – 60	Demineralization
Lewatit® ASB 1 P	Styrene/DVB gel	Cl <sup>-</sup>	656	HD: 0.315 – 1.25	1.6	1.3	20 (Cl <sup>-</sup> →OH <sup>-</sup> )	50 – 56	Demineralization
Lewatit MonoPlus® M 500	Styrene/DVB gel	Cl <sup>-</sup>	690	MD: 0.62 (+/- 0.05)	1.1	1.3	20 (Cl <sup>-</sup> →OH <sup>-</sup> )	48 – 55	Demineralization
Lewatit MonoPlus® M 500 MB	Styrene/DVB gel	Cl <sup>-</sup>	690	MD: 0.61 (+/- 0.04)	1.1	1.3	22 (Cl <sup>-</sup> →OH <sup>-</sup> )	48 – 55	Demineralization, for mixed bed application
Lewatit MonoPlus® M 500 OH	Styrene/DVB gel	OH <sup>-</sup>	660	MD: 0.64 (+/- 0.05)	1.1	1.1	-18 (OH <sup>-</sup> →Cl <sup>-</sup> )	62 – 67	Demineralization
Lewatit MonoPlus® M 500 KR	Styrene/DVB gel	OH <sup>-</sup>	680	MD: 0.64 (+/- 0.05)	1.1	1.1	-18 (OH <sup>-</sup> →Cl <sup>-</sup> )	62 – 67	For rad waste removal, demineralization, and decontamination
Lewatit MonoPlus® M 800	Styrene/DVB gel	Cl <sup>-</sup>	650	MD: 0.59 (+/- 0.05)	1.1	1.4	18 (Cl <sup>-</sup> →OH <sup>-</sup> )	45 – 50	Demineralization, ideal for mixed bed applications
Lewatit MonoPlus® M 800 OH	Styrene/DVB gel	OH <sup>-</sup>	680	MD: 0.64 (+/- 0.05)	1.1	1.2	-18 (OH <sup>-</sup> →Cl <sup>-</sup> )	60 – 65	Demineralization
Lewatit MonoPlus® M 800 KR	Styrene/DVB gel	OH <sup>-</sup>	680	MD: 0.64 (+/- 0.05)	1.1	1.2	-18 (OH <sup>-</sup> →Cl <sup>-</sup> )	60 – 65	Low chloride content, for rad waste removal, demineralization, and decontamination
Lewatit MonoPlus® M 800 KRI	Styrene/DVB gel	OH <sup>-</sup>	680	MD: 0.64 (+/- 0.05)	1.1	1.2	-18 (OH <sup>-</sup> →Cl <sup>-</sup> )	60 – 65	Ultra low chloride and sulfate content, for rad waste removal, demineralization, and decontamination
Lewatit MonoPlus® MP 500	Styrene/DVB macroporous	Cl <sup>-</sup>	640	MD: 0.62 (+/- 0.05)	1.1	1.1	22 (Cl <sup>-</sup> →OH <sup>-</sup> )	60 – 65	Demineralization, absorption of TOC
Lewatit MonoPlus® MP 500 OH	Styrene/DVB macroporous	OH <sup>-</sup>	650	MD: 0.65 (+/- 0.05)	1.1	0.9	-20 (OH <sup>-</sup> →Cl <sup>-</sup> )	70 – 75	Demineralization, absorption of TOC
Lewatit MonoPlus® MP 800	Styrene/DVB macroporous	Cl <sup>-</sup>	620	MD: 0.62 (+/- 0.05)	1.1	1.0	20 (Cl <sup>-</sup> →OH <sup>-</sup> )	63 – 68	Demineralization, absorption of TOC
Lewatit MonoPlus® MP 800 OH	Styrene/DVB macroporous	OH <sup>-</sup>	650	MD: 0.65 (+/- 0.05)	1.1	0.8	-20 (OH <sup>-</sup> →Cl <sup>-</sup> )	70 – 75	Water treatment, demineralization, absorption of TOC
Lewatit MonoPlus® MP 800 KR	Styrene/DVB macroporous	OH <sup>-</sup>	650	MD: 0.65 (+/- 0.05)	1.1	0.8	-20 (OH <sup>-</sup> →Cl <sup>-</sup> )	70 – 75	Water treatment, demineralization, absorption of TOC
Lewatit® UltraPure 1241 MD	Styrene/DVB gel	Cl <sup>-</sup>	700	MD: 0.60 (+/- 0.05)	1.1	1.3	22 (Cl <sup>-</sup> →OH <sup>-</sup> )	48 – 55	Ultra pure water
Lewatit® Ultrapure 1243 MD	Styrene/DVB gel	OH <sup>-</sup>	650	MD: 0.60 (+/- 0.07)	1.1	1.1	-22 (OH <sup>-</sup> →Cl <sup>-</sup> )	55 – 65	Ultra pure water
Lewatit® Ultrapure 1261 MD	Styrene/DVB macroporous	Cl <sup>-</sup>	640	MD: 0.65 (+/- 0.05)	1.1	1.1	22 (Cl <sup>-</sup> →OH <sup>-</sup> )	60 – 65	Ultra pure water

## WATER TREATMENT

### SBA – Type II

Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): <small>Monodisperse (MD, mean value) Heterodisperse (HD, share &gt;90%)</small>	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® VP OC 1074	Polyacrylate macroporous	Cl <sup>-</sup>	720	HD: 0.4 – 1.6	1.8	0.85	20 (Cl <sup>-</sup> →OH <sup>-</sup> )	66 – 72	Demineralization, absorption of TOC (e.g. decolorization)
Lewatit MonoPlus® M 600	Styrene/DVB gel	Cl <sup>-</sup>	680	MD: 0.62 (+/- 0.05)	1.1	1.3	16 (Cl <sup>-</sup> →OH <sup>-</sup> )	45 – 50	Demineralization
Lewatit MonoPlus® MP 600	Styrene/DVB macroporous	Cl <sup>-</sup>	630	MD: 0.60 (+/- 0.05)	1.1	1.1	12 (Cl <sup>-</sup> →OH <sup>-</sup> )	55 – 60	Demineralization, absorption of TOC
Lewatit® ASB 2	Styrene/DVB gel	Cl <sup>-</sup>	705	HD: 0.3 – 1.25	1.6	1.4	20 (Cl <sup>-</sup> →OH <sup>-</sup> )	38 – 45	Demineralization, for waters with a low silica concentration

## WATER TREATMENT

### Mixed Bed: SAC/SBA

Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): <small>Monodisperse (MD, mean value) Heterodisperse (HD, share &gt;90%)</small>	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® NM 60	Styrene/DVB, gel	H <sup>+</sup> / OH <sup>-</sup>	688	HD: 0.315 – 1.25	1.7	0.40**	- 20 (H <sup>+</sup> /OH <sup>-</sup> → Ca <sup>2+</sup> , Mg <sup>2+</sup> , SO <sub>4</sub> <sup>2-</sup> , Cl <sup>-</sup> )	50 – 60	Production of very pure water
Lewatit® NM 60 SG	Styrene/DVB gel	H <sup>+</sup> / OH <sup>-</sup>	688	HD: 0.3 – 1.25	1.6	0.55**	- 20 (H <sup>+</sup> /OH <sup>-</sup> → Ca <sup>2+</sup> , Mg <sup>2+</sup> , SO <sub>4</sub> <sup>2-</sup> , Cl <sup>-</sup> )	60	Production of very pure water for the semiconductor industry
Lewatit® NM 91	Styrene/DVB gel	H <sup>+</sup> / OH <sup>-</sup>	740	HD: 0.315 – 1.25	1.9	0.30**	- 20 (H <sup>+</sup> /OH <sup>-</sup> → Ca <sup>2+</sup> , Mg <sup>2+</sup> , SO <sub>4</sub> <sup>2-</sup> , Cl <sup>-</sup> )	50 – 60	Demineralizing water in cartridges, cleaning of sewage water, electro erosion
Lewatit® SM 600 KR Cl-frei	Styrene/ DVB gel	H <sup>+</sup> / OH <sup>-</sup>	700	MD: 0.64 +/- 0.05 A 0.57 +/- 0.05 C	1.1 C / 1.1 A	1.8 C / 1.1 A	-15 (H <sup>+</sup> /OH <sup>-</sup> → Ca <sup>2+</sup> , Mg <sup>2+</sup> , SO <sub>4</sub> <sup>2-</sup> , Cl <sup>-</sup> )	58 – 63	Demineralization, decontamination and elimination of rad waste
Lewatit MonoPlus® SM 1000 KR	Styrene/ DVB gel	H <sup>+</sup> / OH <sup>-</sup>	720	MD: 0.65 +/- 0.05 A 0.60 +/- 0.05 C	1.1 C / 1.1 A	2.1 C / 1.2 A	-14 (H <sup>+</sup> /OH <sup>-</sup> → Ca <sup>2+</sup> , Mg <sup>2+</sup> , SO <sub>4</sub> <sup>2-</sup> , Cl <sup>-</sup> )	54 – 59	Demineralization, decontamination and elimination of rad waste
Lewatit MonoPlus® SM 1000 KR <sup>7</sup> Li	Styrene/ DVB gel	H <sup>+</sup> / OH <sup>-</sup>	720	MD: 0.65 +/- 0.05 A 0.60 +/- 0.05 C	1.1 C / 1.1 A	2.1 C / 1.2 A	-14 (H <sup>+</sup> , Li <sup>+</sup> /OH <sup>-</sup> → Ca <sup>2+</sup> , Mg <sup>2+</sup> , SO <sub>4</sub> <sup>2-</sup> , Cl <sup>-</sup> )	54 – 59	Demineralization, decontamination and elimination of rad waste
Lewatit® Ultrapure 1292 MD	Styrene/DVB gel	H <sup>+</sup> / OH <sup>-</sup>	750	MD: 0.64 +/- 0.05 A 0.60 +/- 0.05 C	1.1 C / 1.1 A	2.1 C / 1.1 A	- 15 (H <sup>+</sup> /OH <sup>-</sup> → Ca <sup>2+</sup> , Mg <sup>2+</sup> , SO <sub>4</sub> <sup>2-</sup> , Cl <sup>-</sup> )	38 – 42 (H) / 58 – 62 (OH)	Ultra pure water, very low TOC leaching
Lewatit® Ultrapure 1294 MD	Styrene/DVB gel	H <sup>+</sup> / OH <sup>-</sup>	750	MD: 0.60 +/- 0.07 A 0.60 +/- 0.05 C	1.1 C / 1.1 A	2.1 C / 1.1 A	-15 (H <sup>+</sup> /OH <sup>-</sup> → Ca <sup>2+</sup> , Mg <sup>2+</sup> , SO <sub>4</sub> <sup>2-</sup> , Cl <sup>-</sup> )	55 – 65	Polishing to get 18+ megohm water (pharmaceutical and semiconductor industries)
Lewatit® Ultrapure 1296 MD	Styrene/DVB gel	H <sup>+</sup> / OH <sup>-</sup>	700	MD: 0.60 +/- 0.07 A 0.50 +/- 0.05 C	1.1 C / 1.1 A	2.0 C / 1.1 A	-15 (H <sup>+</sup> /OH <sup>-</sup> → Ca <sup>2+</sup> , Mg <sup>2+</sup> , SO <sub>4</sub> <sup>2-</sup> , Cl <sup>-</sup> )	55 - 65 A 41 – 51 C	Polishing to get 18+ megohm water (pharmaceutical and semiconductor industries)

## WATER TREATMENT

### Mixed Bed: SAC/SBA

Product	Product Matrix	Ionic Form	Shipping Weight (g/l) +/- 5%	Bead Size (mm): <small>Monodisperse (MD, mean value) Heterodisperse (HD, share &gt;90%)</small>	Uniformity Coefficient max.	Total Capacity (eq/l) min.	Volume Change (%) max.	Water Retention (%)	Applications
Lewatit® Ultrapure 1297 MD	Styrene/ DVB gel	H+ / OH-	790 (H) / 680 (OH)	MD: 0.61 +/- 0.02 A 0.33 +/- 0.02 C	1.1 C / 1.1 A	2.0 C / 1.2 A	- 14 (H+/OH- → Ca2+,Mg2+, SO42-,Cl-)	47 – 53 (H) / 60 – 65 (OH)	Demineralization, decontamination and elimination of rad waste

\*\* operational capacity, end point 1 MOhm\*cm

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