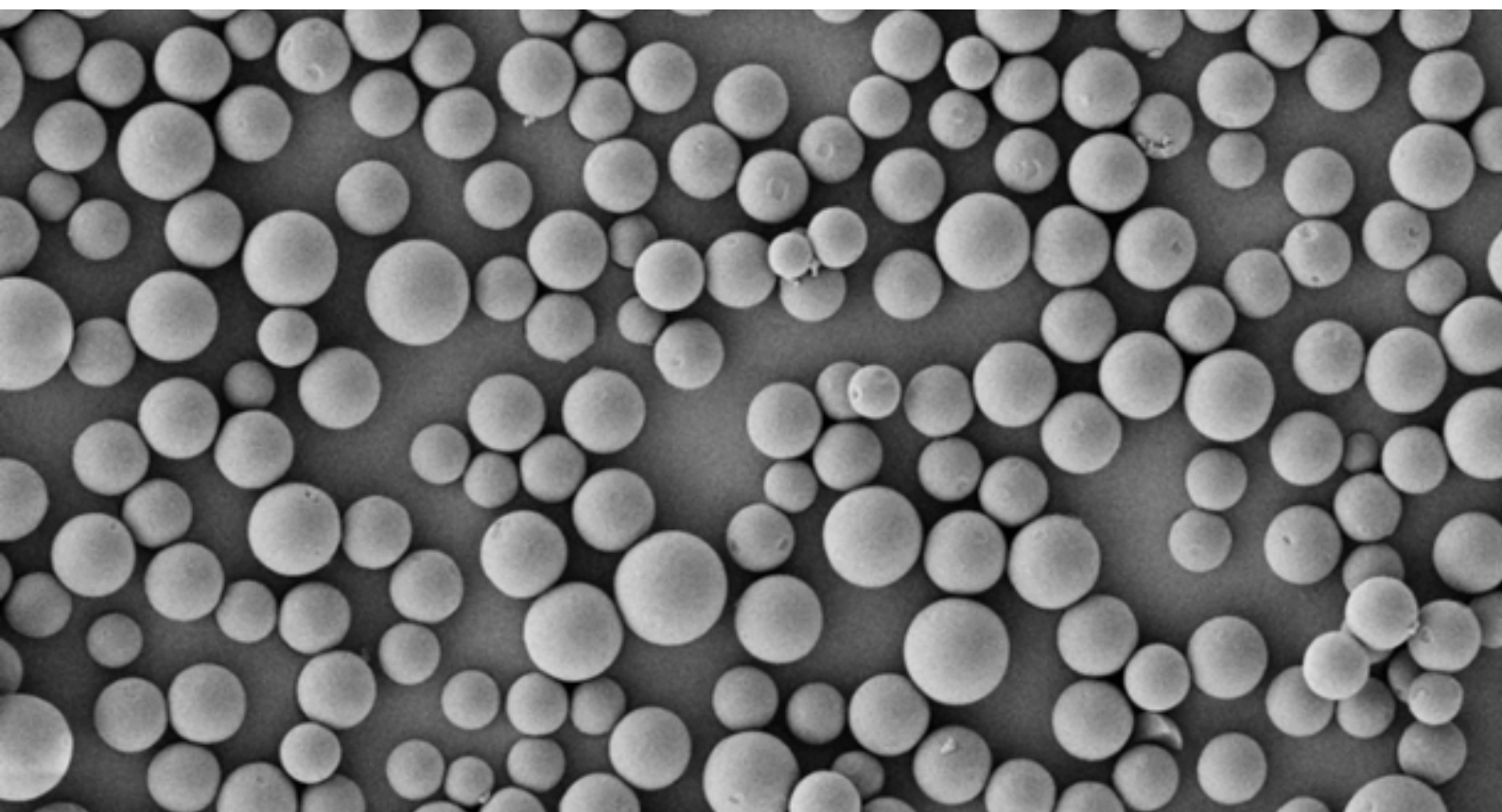


SILICA RESINS CATALOGUE



INDIA'S PIONEER IN ANALYTICAL &
PREPARATIVE CHROMATOGRAPHY
SILICA RESINS

COMPANY PROFILE

Elvikon is an Indian advanced materials company specializing in high-performance silica resins and silica-based stationary phases for chromatography applications in the pharmaceutical, biotechnology, and chemical industries. With integrated in-house GMP-aligned and ISO-compliant manufacturing systems, Elvikon delivers reliable chromatography materials for analytical, preparative, and industrial-scale purification.

Key Advantages of Elvikon Silica Resins

- One of India's leading integrated manufacturers of chromatography silica resins and stationary phases.
- Customized stationary phases tailored to specific separation and purification requirements.
- Short lead times and flexible supply capabilities.
- A cost-effective alternative to imported chromatography materials, reducing procurement costs and supply chain risks.
- Capable of supplying quantities ranging from gram-scale laboratory requirements to ton-scale commercial manufacturing volumes.
- Comprehensive technical support, including method development assistance, application guidance, and product customization.
- Direct engagement with the manufacturer, enabling rapid response, consistent quality, and collaborative product development.
- Made in India to global quality standards.
- • Broad portfolio of analytical and preparative chromatography silica resins and stationary phases.



MESSAGE FROM THE FOUNDER



Dr. Rambabu Atluri
Founder & CEO

I am Dr. Rambabu Atluri, Founder & CEO of Elvikon. I hold a Ph.D. in Engineering Sciences from Uppsala University, Sweden, specializing in nanomaterials and advanced materials technologies. With over 15 years of international experience in research, product development, and technology commercialization, I have worked across Europe and India in the fields of advanced materials, nanotechnology, and industrial innovation.

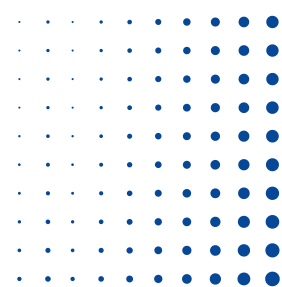
At Elvikon, we focus on developing customized silica resins and chromatography materials for the pharmaceutical, biotechnology, chemical, food science, and medical device industries.

Supported by integrated in-house production aligned with ISO and GMP standards, Elvikon delivers reliable chromatography materials designed for quality, scalability, customization, and cost-effective separation solutions. We welcome complex purification challenges and strive to be a trusted partner in your success.

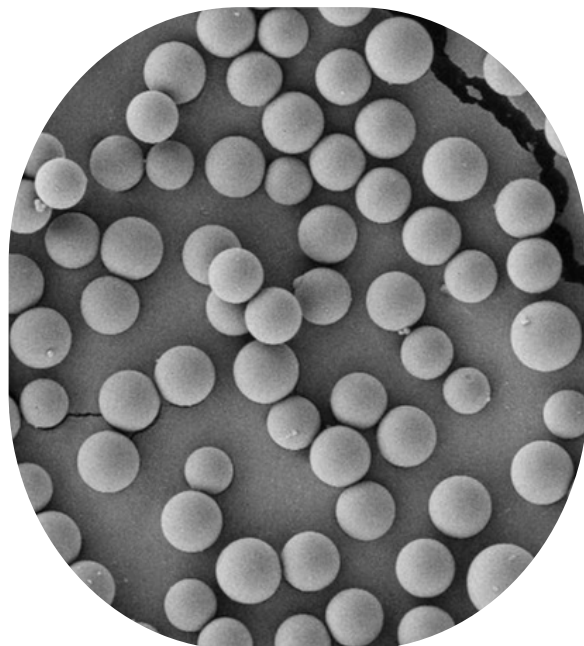
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ELVIS – A SERIES



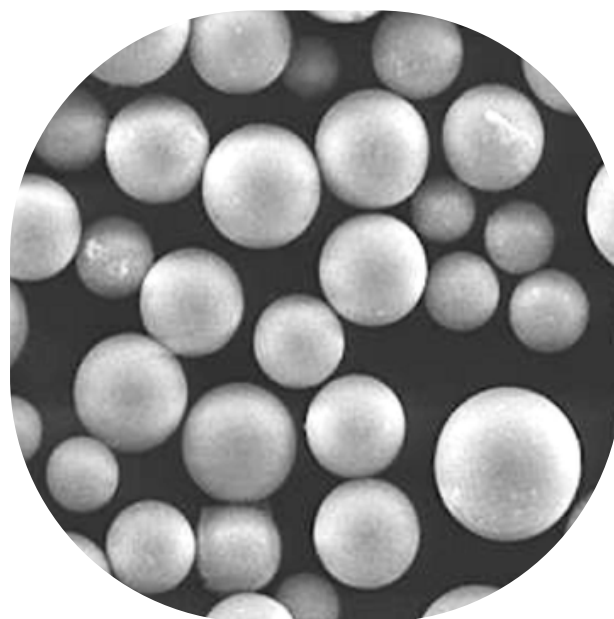
Elvikon presents high-performance analytical chromatography silica resins engineered to redefine separation science across traditional and reversed-phase applications. Meticulously manufactured under ISO-certified conditions and GMP-compliant practices, our ultra-pure silica matrix delivers unmatched reproducibility, exceptional efficiency, and superior peak resolution for the most demanding analytical challenges.



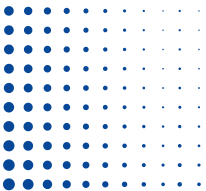
Property	Specification Range
Particle Size	2 μm , 3 μm , 5 μm , & 7 μm
Particle Specifications	Fully Porous, Spherical Silica Particles
Surface Area	320 – 480 m^2/g
Pore Size Options	70 Å, 90 Å, 120 Å
Pore Volume	0.50 – 0.80 ml/g
Metal Impurities	< 0.05%
pH Stability	Standard: 2 – 9, High-pH: 1 – 12
Loss on Drying	$\leq$ 3% at 110°C
Typical Applications	UHPLC, HPLC, Analytical Methods, High-Resolution Separations

ELVIS - P SERIES

Elvikon's next-generation preparative chromatography silica resins redefine large-scale purification with uncompromising performance. Our ultra-pure spherical silica matrix delivers industry-leading loading capacity and resolution for even the most challenging separations.

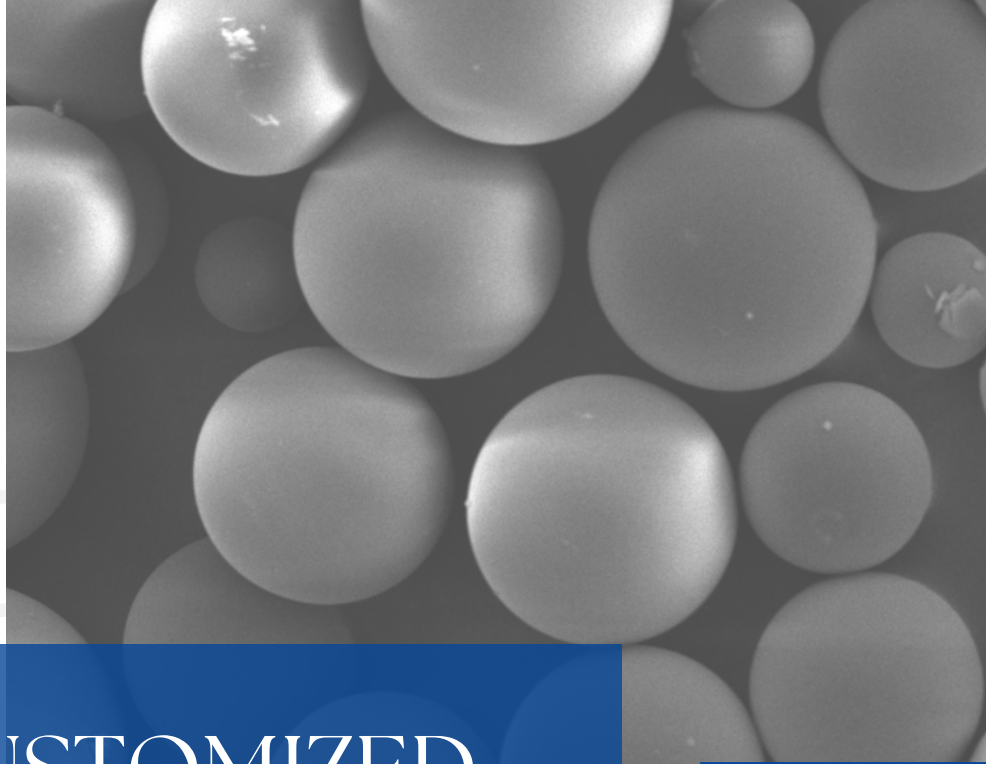


Property	Specification Range
Particle Size	10, 20, 30, 40, 50, 30–60, 40–70 μm
Particle Specifications	Fully Porous, Spherical Silica Particles
Surface Area	220–480 m^2/g
Pore Size Options	60 Å, 100 Å, 120 Å
Pore Volume	0.75–0.80 ml/g
Metal Impurities	< 0.05%
pH Stability	Standard: 2–9, High-pH: 1–12
Loss on Drying	$\leq 3\%$ at 110°C
Typical Applications	Preparative HPLC, Flash, Bulk Purification, Ion-Exchange Purification, Peptide Isolation, Acid/Base Intermediate Separation
Surface Chemistry	Reversed-Phase: C4, C8, C18 Aromatic Phases: Phenyl, Biphenyl, Hexaphenyl, Phenyl-Hexyl Ion-Exchange Phases: Strong Cation Exchange (SCX), Weak Cation Exchange (WCX), Strong Anion Exchange (SAX), Weak Anion Exchange (WAX) Others: CN, NH_2 , SH, & Custom Functionalization



TAILORED MATERIAL DESIGN

Customized pore sizes, particle sizes, and silica chemistries engineered to deliver optimal separation efficiency, flow performance, and application-specific results.



CUSTOMIZED SILICA RESINS



ADVANCED FUNCTIONALIZATION & LOADING CONTROL

Flexible surface functionalization, bonded-phase modifications, and loading levels tailored to enhance selectivity, retention, and chromatographic performance.

END-TO-END CUSTOM DEVELOPMENT

End-to-end custom silica resin development, from laboratory optimization to commercial-scale production, ensuring consistent quality and reliable performance.



ANALYTICAL PHASE: PRODUCT AVAILABILITY

NORMAL PHASE

Phase	Pore Size (Å)	Loading %	2µm	3µm	5µm	7µm
Silica	70	-	●	●	●	●
Silica	90	-	●	●	●	●
Silica	120	-	●	●	●	●

REVERSE PHASE *

Phase	Pore Size (Å)	Loading %	2µm	3µm	5µm	7µm
C4/C8/C18*	70	Low (5–10%)	●	●	●	●
C4/C8/C18*	70	Medium (10–15%)	●	●	●	●
C4/C8/C18*	70	High (15–20%)	●	●	●	●
C4/C8/C18*	90	Low (5–10%)	●	●	●	●
C4/C8/C18*	90	Medium (10–15%)	●	●	●	●
C4/C8/C18*	90	High (15–20%)	●	●	●	●
C4/C8/C18*	120	Low (5–10%)	●	●	●	●
C4/C8/C18*	120	Medium (10–15%)	●	●	●	●
C4/C8/C18*	120	High (15–20%)	●	●	●	●

ANALYTICAL PHASE: PRODUCT AVAILABILITY

ADVANCED PHASES

Phase	Pore Size (Å)	Loading %	2µm	3µm	5µm	7µm
Amine (AMN)	70	-	●	●	●	●
Amine (AMN)	90	-	●	●	●	●
Amine (AMN)	120	-	●	●	●	●
Biphenyl (BPH)	70	-	●	●	●	●
Biphenyl (BPH)	90	-	●	●	●	●
Biphenyl (BPH)	120	-	●	●	●	●
High pH (DSG)*	70	custom	●	●	●	●
High pH (DSG)*	90	custom	●	●	●	●
High pH (DSG)*	120	custom	●	●	●	●

PREPARATIVE PHASE: PRODUCT AVAILABILITY

NORMAL PHASES

Phase	Pore Size (Å)	Loading %	10µm	20µm	30µm	40µm	50µm	30–60µm	40–70µm
Sil	60	-	●	●	●	●	●	●	●
Sil	100	-	●	●	●	●	●	●	●
Sil	120	-	●	●	●	●	●	●	●

REVERESED PHASES*

Phase	Pore Size (Å)	Loading %	10µm	20µm	30µm	40µm	50µm	30–60µm	40–70µm
C4/C8/C18*	60	Low (5–10%)	●	●	●	●	●	●	●
C4/C8/C18*	60	Medium (10–15%)	●	●	●	●	●	●	●
C4/C8/C18*	60	High (15–20%)	●	●	●	●	-	-	-
C4/C8/C18*	100	Low (5–10%)	●	●	●	●	●	●	●
C4/C8/C18*	100	Medium (10–15%)	●	●	●	●	●	●	●
C4/C8/C18*	100	High (15–20%)	●	●	●	●	-	-	-
C4/C8/C18*	120	Low (5–10%)	●	●	●	●	●	●	●
C4/C8/C18*	120	Medium (10–15%)	●	●	●	●	●	●	●
C4/C8/C18*	120	High (15–20%)	●	●	●	●	-	-	-

Preparative Phase: Product Availability									
Advanced Phases									
Phase	Pore Size (Å)	Loading %	10µm	20µm	30µm	40µm	50µm	30–60µm	40–70µm
Amine (AMN)	60	-	●	●	●	●	-	-	-
Amine (AMN)	100	-	●	●	●	●	●	●	●
Amine (AMN)	120	-	●	●	●	●	-	-	-
Biphenyl (BPH)	60	-	●	●	●	●	-	-	-
Biphenyl (BPH)	100	-	●	●	●	●	●	●	●
Biphenyl (BPH)	120	-	●	●	●	●	-	-	-
High PH / DSG*	60	custom	●	●	●	●	-	-	-
High PH / DSG*	100	custom	●	●	●	●	●	●	●
High PH / DSG*	120	custom	●	●	●	●	-	-	-

ANALYTICAL PHASE: PRODUCT CODE REFERENCE

70Å

Particle Size	SILICA	C4*	C8*	C18*	AMN	BPH	DSG*
2 µm	SIL702	C4702	C8702	C18702	AMN702	BPH702	DSG702
3 µm	SIL703	C4703	C8703	C18703	AMN703	BPH703	DSG703
5 µm	SIL705	C4705	C8705	C18705	AMN705	BPH705	DSG705
7 µm	SIL707	C4707	C8707	C18707	AMN707	BPH707	DSG707

*Refer to the product code along with the carbon loading codes: L (5–10%), M (10–15%), and H (15–20%).

90Å

Particle Size	SILICA	C4*	C8*	C18*	AMN	BPH	DSG*
2 µm	SIL902	C4902	C8902	C18902	AMN902	BPH902	DSG902
3 µm	SIL903	C4903	C8903	C18903	AMN903	BPH903	DSG903
5 µm	SIL905	C4905	C8905	C18905	AMN905	BPH905	DSG905
7 µm	SIL907	C4907	C8907	C18907	AMN907	BPH907	DSG907

*Refer to the product code along with the carbon loading codes: L (5–10%), M (10–15%), and H (15–20%).

120Å

Particle Size	SILICA	C4*	C8*	C18*	AMN	BPH	DSG*
2 µm	SIL1202	C41202	C81202	C181202	AMN1202	BPH1202	DSG1202
3 µm	SIL1203	C41203	C81203	C181203	AMN1203	BPH1203	DSG1203
5 µm	SIL1205	C41205	C81205	C181205	AMN1205	BPH1205	DSG1205
7 µm	SIL1207	C41207	C81207	C181207	AMN1207	BPH1207	DSG1207

*Refer to the product code along with the carbon loading codes: L (5–10%), M (10–15%), and H (15–20%).

PREPARATIVE PHASE: PRODUCT CODE REFERENCE

60Å

Particle Size	SILICA	C4*	C8*	C18*	AMN	BPH	DSG*
10 µm	SIL6010	C46010	C86010	C186010	AMN6010	BPH6010	DSG6010
20 µm	SIL6020	C46020	C86020	C186020	AMN6020	BPH6020	DSG6020
30 µm	SIL6030	C46030	C86030	C186030	AMN6030	BPH6030	DSG6030
40 µm	SIL6040	C46040	C86040	C186040	AMN6040	BPH6040	DSG6040
50 µm	SIL6050	C46050	C86050	C186050	AMN6050	BPH6050	DSG6050
30–60 µm	SIL603060	C4603060	C8603060	C18603060	AMN603060	BPH603060	DSG603060
40–70 µm	SIL604070	C4604070	C8604070	C18604070	AMN604070	BPH604070	DSG604070

*Refer to the product code along with the carbon loading codes: L (5–10%), M (10–15%), and H (15–20%).

100Å

Particle Size	SILICA	C4*	C8*	C18*	AMN	BPH	DSG*
10 µm	SIL10010	C410010	C810010	C1810010	AMN10010	BPH10010	DSG10010
20 µm	SIL10020	C410020	C810020	C1810020	AMN10020	BPH10020	DSG10020
30 µm	SIL10030	C410030	C810030	C1810030	AMN10030	BPH10030	DSG10030
40 µm	SIL10040	C410040	C810040	C1810040	AMN10040	BPH10040	DSG10040
50 µm	SIL10050	C410050	C810050	C1810050	AMN10050	BPH10050	DSG10050
30–60 µm	SIL1003060	C41003060	C81003060	C181003060	AMN1003060	BPH1003060	DSG1003060
40–70 µm	SIL1004070	C41004070	C81004070	C181004070	AMN1004070	BPH1004070	DSG1004070

*Refer to the product code along with the carbon loading codes: L (5–10%), M (10–15%), and H (15–20%).

PREPARATIVE PHASE: PRODUCT CODE REFERENCE

120Å

Particle Size	SILICA	C4*	C8*	C18*	AMN	BPH	DSG*
10 µm	SIL12010	C412010	C812010	C1812010	AMN12010	BPH12010	DSG12010
20 µm	SIL12020	C412020	C812020	C1812020	AMN12020	BPH12020	DSG12020
30 µm	SIL12030	C412030	C812030	C1812030	AMN12030	BPH12030	DSG12030
40 µm	SIL12040	C412040	C812040	C1812040	AMN12040	BPH12040	DSG12040
50 µm	SIL12050	C412050	C812050	C1812050	AMN12050	BPH12050	DSG12050
30–60 µm	SIL1203060	C41203060	C81203060	C181203060	AMN1203060	BPH1203060	DSG1203060
40–70 µm	SIL1204070	C41204070	C81204070	C181204070	AMN1204070	BPH1204070	DSG1204070

*Refer to the product code along with the carbon loading codes: L (5–10%), M (10–15%), and H (15–20%).

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