

Media update

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Kromasil launches new EternityXT columns for fast lab analysis and purification

Kromasil, a brand of silica-based particles for chromatography by AkzoNobel Specialty Chemicals, has been expanded with new pre-packed columns for lab testing.

Kromasil EternityXT C8 consists of silica particles used for large-scale purification of compounds that can be run under a wide range of pH. The product was already made available in bulk for large-scale applications and is now introduced in new convenient pre-packed columns which are suited for small-scale testing and analysis. The columns are available in three particle sizes: 1.8 µm for UHPLC applications, 2.5 µm for both UHPLC and HPLC applications and 5 µm for HPLC and semi-preparative chromatography.

“Kromasil EternityXT is exceptional as it can be used effectively for analysis and testing in a wide pH range and can even be purified with sodium hydroxide if desired to extend its use.” says Mattias Bengtsson, Sales and Marketing Director Kromasil “By supplying it in pre-packed columns, we can provide a seamless scale-up from lab tests to full-scale production, making it ideal for the pharma market where fast turnarounds are vital.”

Kromasil EternityXT is now available in the following surface modifications: EternityXT C18 and C8 for the separation and purification of acids, neutrals and bases, and EternityXT PhenylHexyl for alternative selectivity, when compounds of interest have an aromatic ring.

The Kromasil EternityXT family of columns can be used under strong basic conditions to improve peak symmetry in analytical mode and increase loading onto the column to achieve higher productivity and to reduce purification costs. This makes it particularly suitable for use in the pharmaceutical industry where many compounds are basic in nature.

The Kromasil EternityXT columns are based on patented technology, resulting from over 25 years of development after the launch of the original Kromasil silica line, which is used in amongst others the pharmaceutical and food and beverage industries as well as for environmental testing.

“Kromasil is an essential tool in the lab and factories, used in applications such as insulin purification and to verify the safety of foods such as milk powder for babies”, says Lars Andersson, General Manager of Performance Chemicals in AkzoNobel Pulp and Performance Chemicals. “By further refining and expanding the Kromasil range of products, we help make research, analysis and production more efficient, benefitting not only our customers, but ultimately also contributing to a better quality of life.”

About AkzoNobel

AkzoNobel creates everyday essentials to make people's lives more liveable and inspiring. As a leading global paints and coatings company and a major producer of specialty chemicals, we supply essential ingredients, essential protection and essential color to industries and consumers worldwide. Backed by a pioneering heritage, our innovative products and sustainable technologies are designed to meet the growing demands of our fast-changing planet, while making life easier. Headquartered in Amsterdam, the Netherlands, we have approximately 46,000 people in around 80 countries, while our portfolio includes well-known brands such as Dulux, Sikkens, International, Interpon and Eka. Consistently ranked as a leader in sustainability, we are dedicated to energizing cities and communities while creating a protected, colorful world where life is improved by what we do.