

PRESS RELEASE

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Morgan Advanced Materials Makes Significant Breakthrough into the Food Packaging Market Following Food Safety Certification

An important development has been reached in the global process industry, with Morgan Advanced Materials believed to be the first manufacturer to introduce specialist food safe laboratory porcelain for food packaging.

Morgan's range of glazed laboratory porcelain tubes has been awarded food safety approval, according to both US-FDA guidelines and the German standard DIN 51032. The latter is based on the EU guideline 84/500/EWG. This certification guarantees a solubility level of lead and cadmium below standards set by these governing bodies.

Not only does this represent a major breakthrough into the food packaging market for Morgan, but it also offers a lower corrosion alternative to traditional stainless steel and polymer materials, which are currently widely used. Manufactured using Morgan's proprietary ATP porcelain material, the company's ceramic tubes are highly resistant to chemical corrosion, which can be caused by caustic soda, a product used to make the surfaces of packaging materials sterile.

The material characteristics of the tube give it a much smoother surface than those manufactured using alternative materials. This, in turn, reduces the risk of damage when the tube enters into contact with food wrapping, while also minimising the risk of particles entering food, which could cause food safety issues. Furthermore, because the glazing is transparent, it does not contain any oxygen pigments which may be considered noxious or harmful.

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Morgan's move to secure food safety certification follows many years' experience using ceramic materials to produce laboratory components, used in the development of creams and pastes for the pharmaceutical sector. This industry also has high requirements regarding prevention of cross contamination in materials being used in demanding environments.

Dr Michael Rozumek, Director of Research and Development at Morgan Advanced Material's Haldenwanger GmbH site commented: "Corrosive materials are often present in food processing environments and we have long identified a gap in this market to supply a ceramic product with high density levels. The smooth glazing we add to our ceramic tubes gives them greater longevity than any other material available in this market, due largely to our world-leading application engineering and materials expertise, in other sectors such as laboratory materials, which share many of the same concerns as the food industry."

Morgan is looking to building on this achievement by having its extended product range certified for food safety. This includes the company's alumina materials, which are produced through casting, isopressing and extrusion.

For further information, please visit: <http://www.morgantechnicalceramics.com/FoodPackaging>

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About Morgan Advanced Materials

Morgan Advanced Materials is a global materials engineering company which designs and manufactures a wide range of high specification products with extraordinary properties, across multiple sectors and geographies.

From an extensive range of advanced materials we produce components, assemblies and systems that deliver significantly enhanced performance for our customers' products and processes. Our engineered solutions are produced to very high tolerances and many are designed for use in extreme environments.

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The Company thrives on breakthrough innovation. Our materials scientists and applications engineers work in close collaboration with customers to create outstanding, highly differentiated products that perform more efficiently, more reliably and for longer.

Morgan Advanced Materials has a global presence with over 10,000 employees across 50 countries serving specialist markets in the energy, transport, healthcare, electronics, petrochemical and industrial sectors. It is listed on the London Stock Exchange in the engineering sector.

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