

FOR IMMEDIATE USE

Avantor To Begin cGMP Production of J.T.Baker[®] High Purity Low Endotoxin Sugars in Panoli, India

Avantor Is Unique in Offering cGMP Manufacturing Capabilities in the U.S., Europe and India

Center Valley, PA (USA) – October 4, 2016 – Avantor, the global leader in ultra-high-purity materials for the life sciences and advanced technology markets, has begun production at a new cGMP manufacturing area at its Panoli, India, facility. The ISO 9001:2008 certified and Indian FDA approved manufacturing facility makes Avantor unique in offering cGMP capabilities in the U.S., Europe and India.

The India-based cGMP manufacturing area produces Avantor's J.T.Baker[®] brand High Purity Low Endotoxin (HPLE) sugars using the same Avantor cGMP quality systems that are in place at the company's U.S. and European facilities. Avantor's proven global quality systems include a robust management of change program, fully traceable supply chain, globally accepted documentation support, and ISO 9001-compliant quality management systems.

"Avantor's global cGMP manufacturing footprint offers strategic advantages for our life sciences customers," said Devashish Ohri, Executive Vice President, APAC, for Avantor. "Biopharmaceutical manufacturers can confidently expand into new markets with the security of knowing that J.T.Baker[®] brand materials, which meet the highest regulatory specifications, as well as Avantor's applications specialists, are readily available."

In addition to J.T.Baker[®] HPLE sugars, the Panoli, India, facility produces Macron Fine Chemicals[™] brand products under cGMP conditions that comply with India Pharmacopoeia (IP), U.S. Pharmacopeia (USP), National Formulary (NF), European Pharmacopoeia (EP), Japanese Pharmacopeia (JP) and British Pharmacopoeia (BP). Various pack sizes are available to support formulation development from discovery to full-scale production.

"The cGMP facility in Panoli, India, is equivalent in every way to Avantor's cGMP facilities in the U.S. and Europe, and shares the same quality systems and capabilities that our customers have come to expect," said Ohri. "The facility provides Avantor with a cGMP manufacturing hub in Asia, allowing us to provide the best service to our life sciences customers, regardless of their locations."

Press Release



Features and Benefits of J.T.Baker® HPLE Sugars

J.T.Baker® HPLE sugars can increase the efficacy of active pharmaceutical ingredients and improve cell culture yield for biopharmaceutical manufacturers, and may enhance patient safety in formulations.

- Same proprietary purification process used in U.S. and India
- Delivers endotoxin levels below regulatory requirements (as defined by USP, EP and JP)
- High-purity nutrients proven to increase cell culture yield
- Reduces adverse reaction risk to enhance patient safety
- Low endotoxins reduce API degradation in parenteral formulations
- Industry-leading low metal contaminant levels
- Sets industry standards for lot-to-lot consistency
- Available as beet sucrose, cane sucrose, galactose and trehalose dihydrate

For more information on Avantor, visit www.avantormaterials.com.

About Avantor™ Performance Materials

Based in Center Valley, PA (USA), Avantor Performance Materials manufactures and markets high-performance chemistries and materials around the world under several respected brand names, including the J.T.Baker®, Macron Fine Chemicals™, Rankem™, BeneSphera™, and POCH™ brands.

Avantor products are used in a wide range of industries. Our life sciences solutions are used in pharmaceutical production, laboratory research for academic, industry and quality control, and in medical lab testing. Our electronics solutions are used in the manufacturing of semiconductors. For additional information please visit www.avantormaterials.com

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