

## Mannogem<sup>®</sup> Emerald & Onyx

Tech Bulletin

## **Compendial Mannitol Powders For Pharma**

Mannogem Emerald is a 25µm compendial mannitol powder and Mannogem Onyx is a 50µm compendial mannitol powder. These new products from SPI Pharma are an extension of our mannitol platform, bringing additional tools to assist formulators in the development of patientcentric dosage forms.

Mannogem Emerald and Onyx mannitol powders have desirable characteristics that can be leveraged to make a difference in creating unique and improved dosage forms:

- Low-hygroscopicity low LOD values & low water activity to help stabilize moisture sensitive APIs
- Pleasant oganoleptics to ease administration and increase adherence, making them a good option for pediatric dose development
- Compliant with USP/EU compendium, referenced on the US FDA Inactive ingredient database
- Low reactivity and susceptibility to Malliard reactions for flexibility in formulation stability
- High solubility for easy incorporation

Most commercially available mannitol powers are available in a single, broad particle size distribution. Mannogem Emerald and Onyx provide particle size distribution and quality that are consistent with the needs of pharmaceutical formulators. Mannogem powders with narrow particle size distribution and fine particle size are particularly well suited to granulation and lyophilization applications. Emerald & Onyx can help make a difference in creating unique and improved dosage forms.





## Figure 1: Particle Size Distribution for Mannogem Emerald







Mannogem Emerald and Onyx provide the same productivity and performance-enhancing qualities of compendial mannitol powders, while expanding the number of global supply options for pharmaceutical formulators. Secure your supply chain and formulate with confidence.



Our technical team is available to answer questions and discuss best practices. Contact us today for a sample.



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