



CARUS® Mn P manganese sulfate is an important component in radium removal systems utilizing Hydrous Manganese Oxide (HMO). This NSF certified manganese sulfate provides one of the components necessary for the production of HMO. CARUSOL® liquid permanganate completes the system, allowing for the formation of highly adsorbent hydrous manganese oxide.

PRODUCT SPECIFICATIONS

Assay	≥ 98.0% as $MnSO_4 \cdot H_2O$
pH, 5% solution	6.0 - 9.0
Insolubles, %	≤ 0.2%

Standards and Specifications

CARUS Mn P manganese sulfate is certified by the National Sanitation Foundation (NSF) to ANSI/NSF Standard 60: Drinking Water Treatment Chemicals - Health Effects.

CHEMICAL/PHYSICAL DATA

Formula	$MnSO_4 \cdot H_2O$
Formula Weight	169.0 g/mol
Form	White to pink powder
Bulk Density - Compacted	Approximately 69 lb/ft ³

APPLICATIONS

CARUS Mn P manganese sulfate is utilized as a major component in the creation of Hydrous Manganese Oxide (HMO) for the removal of radium.

CARUS CORPORATION

During its more than 98-year history, Carus' ongoing emphasis on research and development, technical support, and customer service has enabled the company to become the world leader in permanganate, manganese, oxidation and base-metal catalyst technologies.

SHIPPING CONTAINERS

50-lb Bag

5.5 mL white opaque, polyethylene valve bag with tuck sleeve. Bag dimensions are 16 x 17.25 x 6 inches. Two rows of embossed anti-skid strips.

HANDLING, STORAGE, AND INCOMPATIBILITY

CARUS Mn P manganese sulfate should be stored in a cool, dry area in a closed container. Segregated from permanganates, other oxidizing agents, peroxides, and chlorates. Protect containers against physical damage.

SHIPPING

CARUS Mn P manganese sulfate is not regulated by the Department of Transportation (DOT). The proper shipping name is Manganese Compound.