



# DEXSORB® Granules Technical Datasheet

Renewable Adsorbent for Selective Removal of PFAS

(Revised on 11/28/2023)



## DEXSORB Granules

DEXSORB is a novel cyclodextrin adsorbent, designed to be compatible with various engineered solutions for the removal of PFAS (per- and polyfluoroalkyl substances) in diverse water systems, such as drinking water, groundwater, surface water, wastewater, and landfill leachate. Extensive lab and pilot studies have demonstrated superior properties: (i) rapid kinetics, (ii) high treatment capacity, (iii) resistance to fouling, (iv) easy regeneration, and (v) concentration of PFAS waste. These properties derive from the molecular selectivity of uniform 0.78 nanometer cyclodextrin cavities in DEXSORB, making the media well-suited for PFAS and other contaminants in 150-1000 Dalton range. DEXSORB performance is not impacted by matrix effects of natural organic matters (NOM), inorganic ions and bioactivity.

## Typical Applications

- Residential Filtration
  - Countertop Pitcher
  - Point of Use Filters
  - Point of Entry Systems
- Drinking Water Treatment
- Wastewater Treatment
- Water Testing

## Available Particle Sizes

- Granules: 212–700 µm
- Granules: 212–1200 µm
- Powder: 20–150 µm

## Standard Packaging

- 25 kg (55 lbs)
- Bulk packaging available upon request

## Chemical and Physical Specifications

Polymer Structure	crosslinked cyclodextrin
Appearance	yellow granule
Bulk Density (wet granules) <sup>1)</sup>	0.5 kg/L (31.2 lbs/ft <sup>3</sup> )
Specific Gravity	1.1
Effective Size	212–1200 µm
Swelling	Up to 40%
Moisture Content	13–17%
Ball Pan Hardness	>93%

<sup>1)</sup> Bulk density is calculated using mass of granules with 0% moisture and volume of fully wetted granules.

## Certifications and Approvals



- Certified to NSF/ANSI/CAN 61
- TSCA