



Potable water is typically produced in municipal water treatment plants using surface water or groundwater sources. These natural sources often contain a variety of organic contaminants, including per- and polyfluoroalkyl substances (PFAS) — a class of persistent synthetic chemicals that pose serious health risks even at extremely low concentrations.

In addition to PFAS, other organic contaminants in raw water can cause taste and odor problems or contribute to the formation of disinfection byproducts (DBPs) when they react with disinfectants like chlorine. DBPs are regulated due to their potential health effects.

Activated carbon adsorption has proven to be one of the most effective and cost-efficient technologies for removing a broad spectrum of organic contaminants



from drinking water. This includes PFAS, VOCs, pesticides, and naturally occurring taste- and odor-causing compounds. As a result, activated carbon plays a critical role in producing clean, safe, and aesthetically pleasing potable water.

Our Comprehensive Range of NORIT® Granular and Powdered Activated Carbons Effectively Removes, Captures, and Destroys PFAS

NORIT GAC 820	NORIT GAC 300	NORIT GAC 400	NORIT GAC 400 PLUS
<p>Activation Process: Steam activation from select coal</p> <p>Iodine Number (min.): 920</p> <p>Particle Size: 8 x 20</p> <p>Apparent Density (Vibrating Feed): 0.52 g/ml (32.5 lb/ft³)</p> <p>Density (Backwashed & Drained): 28 lb/ft³</p> <p>Abrasion Number (AWWA) (min.): 75</p> <p>Certifications: AWWA B604, NSF/ANSI 61, Kosher, Food Chemicals Codex</p> <p>Packaging Options: 1000 lb bulk bag</p> <p>Primary Use: Water and industrial process purification</p>	<p>Activation Process: Steam activation from select coal</p> <p>Iodine Number (min.): 900</p> <p>Particle Size: 8 x 30</p> <p>Apparent Density (Vibrating Feed): 0.51 g/ml (31.8 lb/ft³)</p> <p>Density (Backwashed & Drained): 27.7 lb/ft³</p> <p>Abrasion Number (AWWA) (min.): 78</p> <p>Certifications: AWWA B604, NSF/ANSI 61, Halal, Kosher, Food Chemicals Codex</p> <p>Packaging Options: 55 lb bags, 1000 lb bulk bags, Bulk trailer</p> <p>Primary Use: Water and industrial process purification</p>	<p>Activation Process: Steam activation from select coal</p> <p>Iodine Number (min.): 1000</p> <p>Particle Size: 12 x 40</p> <p>Apparent Density (Vibrating Feed): 0.48 g/ml (30 lb/ft³)</p> <p>Density (Backwashed & Drained): 26 lb/ft³</p> <p>Abrasion Number (AWWA) (min.): 75</p> <p>Certifications: AWWA B604, NSF/ANSI 61, Halal, Kosher, Food Chemicals Codex</p> <p>Packaging Options: 55 lb bags, 1000 lb bulk bags, Bulk trailer</p> <p>Primary Use: Water and industrial process purification</p>	<p>Activation Process: Steam activation from select coal — Acid Washed</p> <p>Iodine Number (min.): 950</p> <p>Particle Size: 12x40</p> <p>Apparent Density (Vibrating Feed): 0.46-0.52 g/ml (28.7 – 32.5 lb/ft³)</p> <p>Density (Backwashed & Drained): 25.0 - 28.1 lb/ft³</p> <p>Abrasion Number (AWWA) (min.): 75</p> <p>Certifications: AWWA B604, NSF/ANSI 61, Halal, Kosher, Food Chemicals Codex</p> <p>Packaging Options: 1000 lb bulk bag</p> <p>Primary Use: Water and industrial process purification</p>



Engineered for Performance: Why Plant Operators Choose NORIT Activated Carbon



Disinfection by-products (DBP), e.g. trihalomethanes (THM), bromate



Natural organic matter (NOM) that causes taste and odor, e.g. geosmin, 2-MIB



Persistent organic pollutants (POP), e.g. PCBs, dioxins, pesticides



Per- and polyfluoroalkyl substances (PFAS), e.g. PFOA, PFOS



Micropollutants, e.g. endocrine-disrupting compounds

Norit Americas Potable Water Product Portfolio

Potable Water — Granular Activated Carbon

Steam activated re-agglomerated bituminous coal based

Product Name	Iodine (mg/g)	Mesh	Apparent Density lb/cu-ft	Backwashed & Drained Density lb/cu-ft	Acid Washed	Unwashed	BABA Compliant	NSF/ANSI Standard 61	AWWA B604 Standards	Halal Certified	Kosher Certified	U.S. Food Chemicals Codex
NORIT GAC 400	1000+	12x40	30.0	26.0		X	X	X	X	X	X	X
NORIT GAC 300	900+	8x30	31.8	27.7		X	X	X	X	X	X	X
NORIT GAC 820	920+	8x20	32.5	28.0		X	X	X	X	X	X	X
NORIT GAC 400 PLUS	950+	12x40	30.0	26.0	X		X	X	X	X	X	X
NORIT GAC 300 PLUS	900+	8x30	31.8	27.7	X		X	X	X	X	X	X