

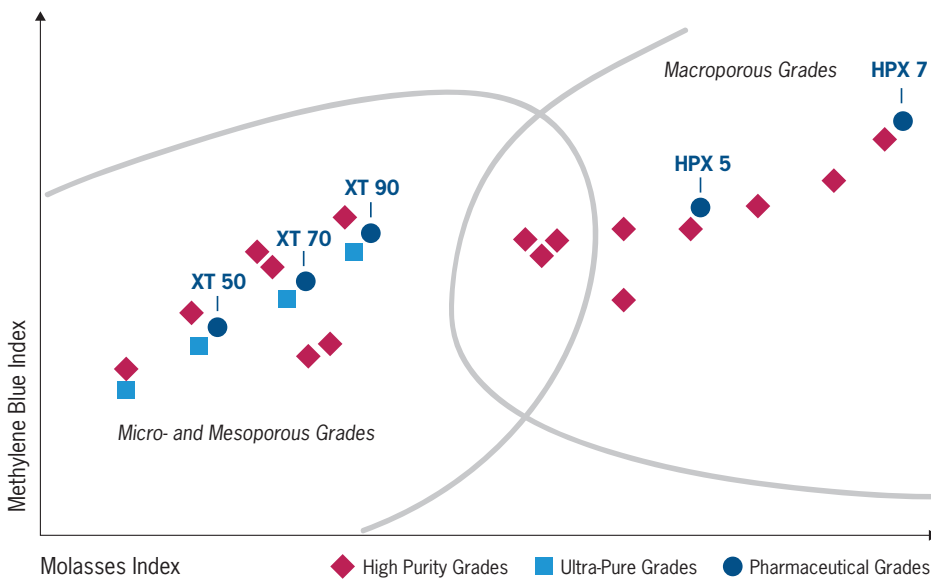


Premium Wood-Based Activated Carbon

# Acticarbone®

## Trap More Impurities with Our Activated Carbon

Calgon Carbon has a wide range of powdered and granular activated carbons with high activation levels. For each of your applications, depending on your constraints and purity objectives, you will find within our range the most efficient solution that is best suited to your process.



## Ultra-Pure Grades within a Large Product Range

Calgon Carbon has specifically developed a range of activated carbons with porous structures adapted to your requirements for the pharmaceutical industry. These ultra-pure grades improve the productivity of your purification stages without risking the contamination of finished products.

These activated carbons comply with the purity criteria of the latest monograph of the current American pharmacopoeia (USP) listed on the technical data sheets.

*All Calgon Carbon activated carbons produced by the Parentis-en-Born (France) plant comply with the Food Chemical Codex (FCC).*

## Essential Criteria for Selecting An Activated Carbon

Porosity (micro-, meso- or macroporosity), activation level, purity, pH, and filterability.

### Acticarbone® Product Table

Pharma Grades	HPX 7	HPX 5	XT 90	XT 70	XT 50
Porosity	macro		meso		
Discoloration	+++		+		
Purification	++		+++		
Decontamination	+		++		
pH	Acidic (5)		Neutral (7)		
N2-BET* (m <sup>2</sup> /g) or specific surface of adsorption	1400-1800		1000-1200		
Mean ash content (%)	3		<1		
Permeability (mDa)	20-60		140-220		

## Customized Technical Solutions

Acticarbone® is recommended for the treatment of discoloration, purification and final polishing of numerous active principles and pharmaceutical intermediaries such as antibiotics, painkillers, enzymes, contrast media, vitamins, amino acids, glycerin, lactose and more.

### 5 Reasons for Selecting Acticarbone®

- **High activation levels**  
Optimization of the consumption of activated carbons and reduction in losses of active principles during filtration.
- **Very high purity**  
Activated carbons adapted to the purity requirements of solutions to be treated.
- **High permeability (for powdered activated carbons)**  
Increased productivity during filtration.
- **Controlled pH**  
Controlling the pH of the solution during treatment on activated carbon.
- **Renewable feedstock of constant quality**  
Vegetable raw material (maritime pine) provides a constant performance for optimization and easy management of your process.