Henan CarbonFresh Activated Carbon Co., Ltd.

Parameter	Value
Iodine Number	Minimum 100 mg/g
Moisture (at time of packaging)	Maximum 5%
Ash Content	Maximum 1%
Hardness	Minimum 98%
pH Value	6-8
CTC Acyivity	55%
Surfce Area (BET N_2)	1100m^2/g
Apparent Density	0.50 g/cm^3
Butane Activity	21%
Backwash and Drain Bed Density	425kg/m^3

Particle Size Range	Minimum Passing Rate
8x16 (2.36-1.18 mm)	Minimum 90%
8x30 (2.36-0.60 mm)	Minimum 90%
12x30 (1.70-0.60 mm)	Minimum 90%
12x40 (1.70-0.43 mm)	Minimum 90%
20x50 (0.85-0.30 mm)	Minimum 90%

Product Advantages

Certification Standards: Complies with NSF/ANSI 61 certification and EN 12915 standards, ensuring product safety.
Additional Standards: Meets ASTM D2862 ASTM D4607 ASTM D5156 AWWA B604-2012 REACH Regylation(EC No 1907/2006)

Packaging Specifications

25 kg bags
500 kg bulk bags
Cylindrical sealed drums
Customized packaging options

Product Overview

WPC-51321 is a high-activity granular activated carbon produced by Carbon Fresh, made from selected coconut shells through high-temperature steam activation. The product undergoes acid washing and pH neutralization to enhance its purity. WPC-51321 is suitable for various liquid purification applications, including industrial water treatment, boiler condensate treatment, and beverage production. Its advanced microporous structure offers significant advantages in adsorbing low molecular weight organicmolecules, particularly under low concentration conditions.

Product Advantages

Ultra-High Purity: Ensures effective purification performance.
Specialized Microporous Structure: Provides superior adsorption capability.
High Adsorption Capacity: More efficient at removing harmful substances from water.
Large Internal Surface Area: Increases contact area of activated carbon.

Excellent Hardness: Ensures stability during use.Low Dust: Improves the working environment.

Safety Precautions

Oxidation, Decomposition, or Polymerization Risks: Under certain conditions, compounds may oxidize, de compose, or polymerize in the presence of activated carbon, leading to an increase in bed temperature, which may result in combustion. Extra caution should be taken when adsorbing compounds with the p otential to form peroxides. Additionally, the adsorption of volatile organic compounds (VOCs) generates heat; thus, adequate heat dissipation is necessary for safe bed operation.

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