

# ACTIVATED CARBON DATASHEET



## GRANULAR COCONUT BASED ACTIVATED CARBON

### ACF-100CX

#### PRODUCT KEY FEATURES

- ⇒ Excellent adsorption characteristics
- ⇒ High total pore volume
- ⇒ Rigorously de-dusted
- ⇒ High density – readily water wets
- ⇒ Low ash content
- ⇒ Minimal product degradation

#### TYPICAL APPLICATIONS

- ⇒ Taste and odour removal
- ⇒ Adsorption of pesticides and herbicides
- ⇒ Control of TOX and AOX
- ⇒ Reduction of TOC, BOD and COD
- ⇒ Adsorption of dissolved organic compounds

Characteristics	Unit	Value	Method
Carbon tetrachloride activity (CTC)	%	65	ASTM D3467
Butane activity	%	27	ASTM D5742
Surface area	m <sup>2</sup> g <sup>-1</sup>	1200	BET N2
Total pore volume	cm <sup>3</sup> g <sup>-1</sup>	0.74	Porosimetry (N2/Hg)
Apparent density	kg m <sup>-3</sup>	470	ASTM D2854
Moisture content – as packed	%	3	ASTM D2867
Total ash content	%	2	ASTM D2866
Ignition temperature	°C	350	ASTM D3466
Ball-pan hardness number	%	98	ASTM D3802

Particle size US sieve	Unit	6x12	8x16
>4 (4.75mm)	%	-	4
>6 (3.35mm)	%	5	-
>8 (2.86mm)	%	-	5
>10 (2.00mm)	%	-	-
>12 (1.70mm)	%	4	-
>16 (1.18mm)	%	-	-
<20 (0.85mm)	%	-	-
<30 (0.60mm)	%	-	-
<40 (0.425mm)	%	-	-

The above data has been compiled using the specified test method on material which has been sampled in accordance with the American Society for Testing and Materials guidance for sampling activated carbon as given in practice ASTM E300-1996

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