

**GRANULAR ACTIVATED CARBON**  
**GRADE : VS 50**  
**USS MESH SIZE : 12 x 40**

STANDARD SPECIFICATION			
PARAMETER	UNIT	VALUE	METHOD
Type		<b>COCONUT SHELL</b>	
CTC	% min	50	ASTM D3467
Moisture as packed	% max	5	ASTM D2867
Mesh size US sieve :-			ASTM D2862
+12 (1.68mm)	% max	5	
12 x 40 (1.68 - 0.40mm)		Balance	
-40 (0.40mm)	% max	5	

TYPICAL PROPERTIES			
PARAMETER	UNIT	VALUE	METHOD
Hardness	% min	97	ASTM D3802
Bulk Density	g cm <sup>-3</sup>	0.48-0.52	ASTM D2854
Density (Backwashed)	g cm <sup>-3</sup>		
pH aqueous extract		9.5 - 11.5	ASTM D3838
Ash	% max	5	ASTM D2866
Iodine number	mg g <sup>-1</sup>	1000	ASTM D4607
Surface area	m <sup>2</sup> g <sup>-1</sup>	1100	BET N2
Pore volume	cm <sup>3</sup> g <sup>-1</sup>		
Pore size distrib.			
Micropores (<2 nm)	cm <sup>3</sup> g <sup>-1</sup>		
Mesopores (2 - 50 nm)	cm <sup>3</sup> g <sup>-1</sup>		
Macropores (>50 nm)	cm <sup>3</sup> g <sup>-1</sup>		
Dechlor'n 1/2 length	cm		DIN 19603