



## GENERAL SPECIFICATION AND DATASHEET

**BASE MATERIAL:** Our Carbons are **EXCLUSIVELY** made from **SELECTED COCONUT SHELL**

**PROCESS:** **WATER STEAM** is the only media used for the activation process of our Activated Carbons

### SPECIFICATIONS

Sl.	Parameter	Spectrum	Unit	Test Code
1.	Particle Size	3 - 325	Mess #	ASTM: D 2862 - 2010
2.	Iodine Value	600 - 1450	mg g <sup>-1</sup>	ASTM: D 4607 - 2011
3.	C.T.C. Activity	15 - 85	%	ASTM: D 3467 - 2009
4.	Butane Activity	20 - 35	%	ASTM: D 5742 - 2010
5.	Benzene Absorption	5 - 40	%	JIS: K 1474 - 2007
6.	MB Value	150 - 280	mg g <sup>-1</sup>	IS: 877 - 2006
7.	Moisture	2 - 10	%	ASTM: D 2867 - 2009
8.	Ash	0.5 - 6	%	ASTM: D 2866 - 2011
9.	Hardness	95 - 99.2	#	ASTM: D 3802 - 2010
10.	Apparent Density	0.35 - 0.67	g ml <sup>-1</sup>	ASTM: D 2854 - 2009
11.	pH	6 - 11	#	ASTM: D 3838 - 2011
12.	K Value	15.1 - 33.4	g Au t <sup>-1</sup>	A A R L
13.	R Value	50 - 58	#	A A R L
14.	Attrition	1 - 1.5	%	A A R L
15.	Platelets	4 - 6	%	A A R L
16.	Floating	0.3 - 5	%	A A R L
17.	Abrasion loss	≤ 3	%	ASTM: D 4058 - 2011
18.	Surface area	700 - 1700	m <sup>2</sup> g <sup>-1</sup>	BET - N <sub>2</sub>
19.	Pore Volume	0.71 - 0.96	cm <sup>3</sup> g <sup>-1</sup>	Porosimetry (N <sub>2</sub> Hg <sup>-1</sup> )
20.	Avg. Pore Size	0.46 - 0.49	Å	ASTM: D 4641 - 2012
21.	Dust Content	≤ 1	#	Speak man Method
22.	Water Solubles	0.1 - 7	%	ASTM: D 5029 - 2009
23.	Chlorides	900 - 1800	PPM	JIS: K 1474 - 2007
24.	Iron Content	70 - 500	PPM	JIS: K 1474 - 2007
25.	Volatile Matter	≤ 12.9	%	ASTM: D 5832 - 2008

### FORMS & SIZE

Sl.	Granular	Flake	Pellet
1.	3 x 6	M140	1S
2.	4 x 8	M200	2S
3.	6 x 12	M325	3S
4.	6 x 16		4S
5.	8 x 16		
6.	8 x 30		
7.	12 x 20		
8.	12 x 30		
9.	12 x 40		
10.	18 x 35		
11.	20 x 50		
12.	30 x 60		
13.	35 x 70		

All Specifications are in USS

### IMPREGNATED

Sl.	Chemicals
1.	Sulfuric acid
2.	Phosphoric acid
3.	Potassium carbonate
4.	Iron oxide
5.	Potassium iodide
6.	Triethylene diamine (TEDA)
7.	Sulfur
8.	Potassium permanganate
9.	Manganese IV oxide
10.	Silver
11.	Zinc oxide
12.	Chromium-copper-silver salts
13.	Mercury II chloride
14.	Zinc acetate
15.	Noble metals (palladium, platinum)

### SPECIALLY TREATED

Sl	Reduced	Increased	Adjusted
1.	Dust	Ignition Temperatures	pH
2.	Ash		Plasma treated
3.	Water Soluble Matter		Surface modified
4.	Acid Soluble Matter		
5.	Chlorides		
6.	Iron		
7.	Sulfur		
8.	Calcium		
9.	Sodium		
10.	Potassium		

### PACKING:

- Standard packing is 40kg HDPE bags with and without markings. Alternatively packing can be in 25kg bags or 500/1000kg super sacks.
- We also offer CP3 or CP9 pallets for export.

- In-house Test process (NI-ITP) are available on request.**

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