

**Alchemi Carbons Chemical Activated product data sheet**

SN	NAME	ORIGIN	APPLICATION
1	Alchemi CP Ultra	Chemical Activated Carbon	Specialized for dark/Heavy colored molecules and secondary derivative purification, ultra-pure product with less than 30 ppm iron ( acid soluble iron) content, <0.6 %t acid soluble matters and filtration characteristics  Ph 4-6 D50-25 $\mu$ D10-5 Surface area- 1500-1800 m <sup>2</sup> /gm
2	Alchemi CPC	Chemical Activated Carbon	Specialized for dark colorants molecules, PENUM drugs purification and secondary derivative purification, ultra-pure product with less than 30 ppm iron ( acid soluble iron) content, <0.5 % acid soluble matters and filtration characteristics Product designed to give superior reaction outcome and filtration Ph 5- 6 D50-25 $\mu$ D10-5 Surface area- 1750 m <sup>2</sup> /gm (min)
3	Alchemic CN 2.2	Chemical Activated Carbon	Blend of steam chemical activated carbon to eliminate wide range of impurity, is specialized for catalytic application with oxidized surface to enable heavy metal loading Acid soluble < 1.1 Min surface area 1200 -1600 m <sup>2</sup> /gm( min) Ph 5- 6 D50-22 D10-5
4	Alchemi CPN 9.1	Chemical Activated Carbon	Superior in adsorptive for dark colorants and higher molecular weight. Very suitable for protein and enzymatic purification, with low doges D50 25 $\mu$ Ph 2.5-4

**Alchemi Carbons Chemical Activated product data sheet**

5	Alchemi CAZ	Chemical Activated Carbon	Superior in adsorptive for dark colorants, higher molecular weight, fermented products purification and Very suitable for protein and enzymatic purification, with low doses Ultimate filtration characteristic with unique particle size distribution D50 25 $\mu$ D10 5 $\mu$ D90 68 $\mu$ Ph 2-4
6	Alchemi SZ	Chemical Activated Carbon	Alchemi SZ is very suitable for the purification of highly coloured and/or foaming process liquids, in Ph sensitive process in glucose, API, catalyst and complex reaction product Decolourization and de odour low Carbons requirement
7	Alchemi CP 9.1 ULTRA	Chemical Activated Carbon	Precisely prepared with least acid extractable matters, having wide range of distributed porosity dominated by macro pores Superior in adsorptive for dark colorants and higher molecular weight. Very suitable for protein and enzymatic purification, with low doses D50-25 $\mu$ D10-5 Ph 2.5-4
9	Alchemi SZ 9.1A	Chemical Activated Carbon	Unique blend of steam Activated Carbon with Alchemi SZ very suitable for the purification of dark colors caused from wide range of matters, foaming process liquids, Ph sensitive process in sugar and plants derivatives.
10	Alchemi CA	Chemical Activated Carbon	Fine combination of macro and meso pores produced in controlled set of process which enable this product edge on performance with low carbon dose
11	Alchemi CP 11		A chemically activated carbon manufactured carbon possess high adsorptive power with filtration nature and can be greatly used in a Wide range of applications in food and chemical industry. It is especially effective in adsorbing high Molecular weight organics such as proteins and large colour bodies.