

Silcarbon CW20

Silcarbon CW20 is a chemically activated carbon product with a very high adsorptive capacity needed for applications in food, beverage, pharmaceutical and chemical industry. Silcarbon CW20 gives excellent performance when adsorbing high molecular weight organic compounds like proteins or large colour bodies. It has a low ash content which makes it a preferred product for high purity applications or where low pH solutions are encountered.

Applications

Silcarbon CW 20 is used in many applications in the food and chemical industry. Some typical applications are:

- Decolourisation of sugar liquors
- Correction of colour and flavour defects in beverages
- Decolourisation of alcohol
- Inorganic and organic acid purification
- Solvent purification
- Pharmaceutical purification
- Chemical intermediate purification
- Removal of colour in waste water applications

Table 1: Technical characteristics of Silcarbon CW20

Specification	Specified values	Typical values
Appearance	fine black powder	fine black powder
Fineness	approx. 90 % < 80 Micron	> 80 µm 8 % 40 – 80 µm 22 % < 40 µm 70 %
Water content, as packed	15 % max.	8%
Ash content	6 % max.	4 %
Sulphides	not detectable	not detectable
pH-value	3 – 6	4
Iodine number	> 900 mg/g	950 mg/g
Specific surface area (BET)	approx. 1300 m ² /g	approx. 1300 m ² /g
Methylene blue adsorption	> 25 g/100 g	27 g/100 g
Silcarbon decolourising factor	0.8 – 1.0	0.9
Standard packing	20 kg paper bags	20 kg paper bags

Silcarbon Aktivkohle GmbH

Over the year Silcarbon Aktivkohle has gained extensive experience in the field of adsorption technologies. Silcarbon Aktivkohle is dealing with a huge range of pulverised, extruded and granular activated carbons, including acid washed and impregnated products for use in special applications.