

Shengzhou Huali CD™ Diatomite Filter Aid

Diatomite is porous with lower density and larger surface area; it has relative incompressibility and chemical stability. Diatomite as the important raw materials, after grinding, drying, sorting, calcined, classified, residue removed, we get the thing that can improve the quality and efficiency of filtration is called Diatomite Filter Aid.

According to the size of its permeability, the diatomite filter aid can be grouped CD10, CD090, CD080, CD070, CD071, CD061, and CD060 in seven grades. According to the production process method, the diatomite filter aid can be grouped in calcined and flux calcined two types. In the industrial applications, according the purposed liquid and the types of filter, people choose one or two of filter aids to use in order get the efficient filtrating. Our CD™ series diatomite products compliance with the Health of the People's Republic of China <GB14936-94> diatomite health standards, and meet the special sanitation requirements of the food and pharmaceutical industry. And we have the "Health Permits" issued by Zhejiang Provincial Health Department.

Typical Physical and Chemical Properties:

	CD060	CD061	CD070	CD071	CD080	CD090	CD010
Structure	Calcined	Calcined	Calcined	Calcined	Calcined	Calcined	Calcined
Color	pink	pink	Light pink	Pink or white	white	white	white
Permeability(Darcy)	0.07-0.15	0.15-0.30	0.5-0.8	0.8-1.2	1.5-3.5	3.5-5.0	5.0-7.0
Sieve Analysis							
%+150Mesh	0.5	1.0	1.5	2.0	6	18	26
%+325Mesh	5	6	18	22	33	45	55
Density (g/l)							
Wet bulk	400	400	370	320	320	300	300
Dry bulk	190	190	190	210	220	240	260
Median particle Diameter(microns)	12	14	18	20	24	35	45
PH (% slurry)	6.5	6.5	8.8	9.0	10.0	10.0	10.0
Moisture (%)	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Specific gravity	2.2	2.2	2.3	2.3	2.3	2.3	2.3
Water Solubility %	≤0.2	≤0.2	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Acid Solubility %	≤3.0	≤3.0	≤3.0	≤3.0	≤3.0	≤3.0	≤3.0
Pb (lead), ppm	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Arsenic (As), ppm	5.0	5.0	5.0	5.0	5.0	5.0	5.0
SiO2 %	92.0	92.0	91.0	91.2	90.8	90.3	90.2
Al2O3 %	4.1	4.1	4.0	4.0	4.0	4.0	4.0
Fe2O3 %	1.4	1.4	1.5	1.5	1.5	1.5	1.5

CaO	%	0.4	0.4	0.4	0.4	0.4	0.4	0.4
MgO	%	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Other Oxides	%	1.2	1.2	2.5	2.5	2.5	3	3
Loss on Ignition	%	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Using of diatomite filter aids:

1. Condiment: monosodium glutamate, soy, vinegar, salad oil, colza oil, etc.
2. Beverage: beer, rat fee, yellow wine, fruit juice, wine, beverage syrupy, etc.
3. Pharmaceutical: antibiotic, vitamin, refined traditional Chinese medicine, filling for dentistry, cosmetics, etc.
4. Chemical products: organic acid, mineral acid, alkyd, oil paint, vinylite, etc.
5. Industrial oil products: lubricating oil, additives of lubricating oil, petroleum additive, trussed metal sheet oil, transformer oil, coal tar, etc.
6. Water treatment: daily waste water, industrial waste water, effluent treatment, swimming pool water, etc.
7. Sugar Industry: fruit syrup, glucose, starch sugar, sucrose, etc.

Diatomite using manual:

1. choose the appropriate filter
2. choose the appropriate filter aid
3. master the precoat, body feed, and cleaning these three steps.

Packaging and transportation:

For the convenience of users, we prepared Kraft paper bags, polywoven bag lined Kraft paper bags, film lined polywoven bags, polythene bags. We can provide for the economic, efficient and safe products transportation services.

Shengzhou Huali Diatomite Products Co., Ltd

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