飞飞牌<br>\title{ Shengzhou Huali Diatomite Products Co．，Ltd }<br>Address：Ganlin Industrial District，Shengzhou City，Zhejiang Province，China Web：http：／／www．cndiatomite．com<br>Email：diatomite＠live．cn

## 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 CD100，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 diatomite products compliance with the Health of the People＇s Republic of China＜GB14936－2012＞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．

Physical and Chemical Properties：

|  | CD060 | CD061 | CD070 | CD071 | CD080 | CD090 | CD100 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Structure | Calcined | Calcined | Calcined | Calcined | Calcined | Calcined | Calcined |
| Color | pink | pink | Light <br> pink | Pink or <br> white | white | white | white |
| Permeability <br> （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 <br> \％＋150Mesh <br> \％＋325Mesh | 0.5 | 1.0 | 1.5 | 2.0 | 6 | 18 | 26 |
| Density（g／ml） <br> Wet bulk | 400 | 400 | 370 | 320 | 320 | 300 | 300 |
| Dry bulk | 190 | 190 | 190 | 210 | 220 | 240 | 260 |
| Median particle <br> Diameter <br> （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\％ | $\leq 0.2$ | $\leq 0.2$ | $\leq 0.5$ | $\leq 0.5$ | $\leq 0.5$ | $\leq 0.5$ | $\leq 0.5$ |
| Acid Solubility \％ | $\leq 3.0$ | $\leq 3.0$ | $\leq 3.0$ | $\leq 3.0$ | $\leq 3.0$ | $\leq 3.0$ | $\leq 3.0$ |


| 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 |
| $\mathrm{SiO}_{2}$ \% | 92.0 | 92.0 | 91.0 | 91.2 | 90.8 | 90.3 | 90.2 |
| $\mathrm{Al}_{2} \mathrm{O}_{3} \quad \%$ | 4.1 | 4.1 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| $\mathrm{Fe}_{2} \mathrm{O}_{3} \quad \%$ | 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

Web site: http://www.cndiatomite.com http://www.diatomite.co
Email : diatomite@live.cn
Tel: 0086-575-83618811 83064848
Fax: 0086-575-83617799 83065858
Address: Bainidun Industrial Agglomeration Area, Ganlin Town, Shengzhou City, Zhejiang Province, China

