**High purity Alumina/Aluminum oxide/AI2O3**

High purity alumina refers to alumina with purity of more than 99.99% and 99.999%.

**Our company high purity alumina/aluminum oxide technical specifications**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Model | | CX-A001 | CX-A002 | CX-A003 | CX-A004 | CX-A005 | CX-A006 |
| Item name | | High purity alumina | | Activated alumina | | Nano alumina | Alumina ball |
| Purity | % | >99.999 | >99.99 | >99.999 | >99.99 | >99.99 | >99.99 |
| Phase state |  | a-Al2O3 | a-Al2O3 | r-Al2O3 | r-Al2O3 | a-Al2O3 | a-Al2O3 |
| Appearance |  | White powder | | | | | |
| Si2+ | PPm | <3 | <20 | <3 | <20 | <10 | <10 |
| Ca2+ | PPm | <2 | <10 | <2 | <10 | <2 | <2 |
| Fe3+ | PPm | <3 | <20 | <3 | <20 | <10 | <10 |
| Cu2+ | PPm | <1 | <5 | <1 | <5 | <2 | <2 |
| Na+ | PPm | <3 | <30 | <3 | <30 | <15 | <15 |
| BET & D50 Size | — | According to customer requirement or OEM | | | | | |
| Packing | | 20kg | 20kg | 20kg | 20kg | 20kg | 20kg |

**High purity alumina/aluminum oxide application:**

**1.Luminescent material：**It is used as the main raw material of rare earth trichromatic phosphor, long afterglow phosphor, PDP phosphor and led phosphor.

**2.Transparent ceramics：**In traditional glazes, alumina is often used for whitening.

**3.single crystal：**Used for making ruby, sapphire and yttrium aluminum garnet.

**4.High strength high alumina ceramics.**

**5.Abrasive materials：**Abrasive for manufacturing glass, metal, semiconductor and plastic.

**6.Diaphragm：**Used for manufacturing lithium battery diaphragm coating

**7.Others**：Used as active coating, adsorbent, catalyst and catalyst carrier, vacuum coating, special glass raw materials, composites, resin filler, bioceramics and so on.