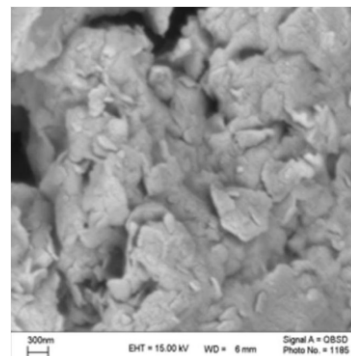


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Montmorillonite Bentonite Clay

Bentonite is a promising rock of clay which is found in nature. It is a major source of montmorillonite in nature. It is a rock produced of highly colloidal and plastic clays mainly comprised of montmorillonite. In addition to montmorillonite, bentonite may compose of some amount of crystalline quartz, cristobalite, and feldspar. Montmorillonite nanoclay is used as a drug carrier system and as an additive. Its composite for application in drug system can be formed through the utilization of anionic, cationic, and nonionic surfactants. These are used to improve basal spacing resulting in organo clay to be utilised in drug loading and drug release.



Technical Specification:

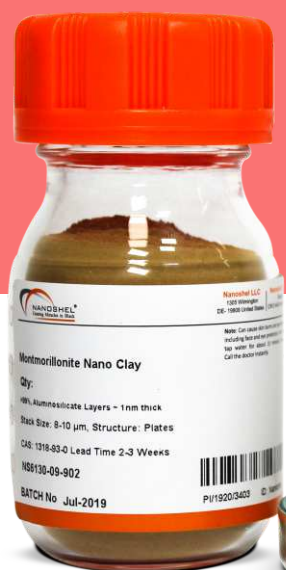
| Uncompacted Density | Compacted Bulk Density | Specific Gravity | Surface Area | pH |
|---------------------|------------------------|------------------|-------------------|-------------|
| 47.5 lbs./cu.ft. | 37 to 56 lbs./ft3 | 2.6 | 0.09 to 1.8 m2/cc | 8.5 to 10.5 |

Chemical Composition

| Product | Weight Percent (nominal) | Other Metal |
|--------------------------------|--------------------------|-------------|
| Montmorillonite Bentonite Clay | 99.9% | 1000 ppm |

Purity
99.9%
 CAS No.
1318-93-0

NS6130-09-902



APS:
 ~1nm



Applications:

- ✓ Pharmaceuticals
- ✓ Beverage
- ✓ Food
- ✓ Cosmetics
- ✓ Personal care products



ISO 9001:2015
 CERTIFIED COMPANY



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