



MONTMORILLONITE
CLAY

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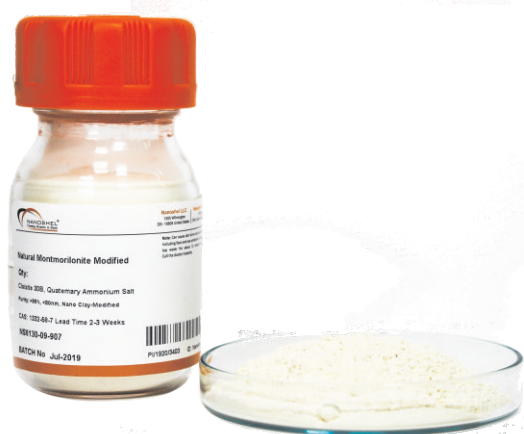
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MONTMORILLONITE CLAY

Montmorillonite (MMT) belongs to the smectite clay group. It has ample of intercalation properties, a robust adsorption, and elevated affinity to organic molecules and heavy metals owing to its intrinsic inorganic layered nanostructure. It has strong preconcentration ability, vast cation exchange capability, and a peculiar

layered structure. So this clay material lures the great attention. It is widely utilized in electroanalytical methods. Montmorillonites used in polymer compounds as functional fillers so far are based on natural sodium bentonites. It has more specific surface area and higher cation exchange capability.



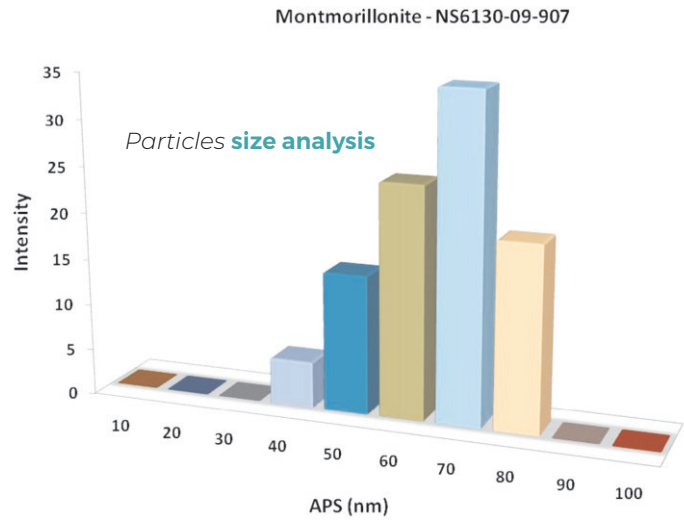
Quick FACTS

Product	: Montmorillonite Clay
Stock No	: NS6130-09-907
CAS	: 1318-93-0
Color	: Beige-tan
Form	: Powder



APPLICATIONS

- ✓ Catalysis
- ✓ Biomedical
- ✓ Fire retardancy
- ✓ Cooking pots
- ✓ Bricks
- ✓ Floor tiles



Additional Powder Characteristics

Stock No.	Purity	APS
NS6130-09-907	>99%	<80nm

Technical Specification

Molecular Formula	Density	pH
Al ₂ [(OH) ₂ Si ₄ O ₁₀].nH ₂ O	1.7-2.7g/cm ³	Averages 8.3 °C

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Chemical Composition

Product	Weight Percent (nominal)	
	Al ₂ [(OH) ₂ Si ₄ O ₁₀].nH ₂ O	Other Metal
Montmorillonite Clay	>99%	8000 pmm

Properties

- ✓ Chemical Symbol: Al₂[(OH)₂Si₄O₁₀].nH₂O
- ✓ CAS No.: 1318-93-0

Ordering Information and Stock Availability

- ✓ Product: Montmorillonite Clay
- ✓ Stock Availability: Available
- ✓ Distribution: Global
- ✓ Packing Sizes: 25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders

Handling Recommendations

- ✓ Store in the original container in a dry location.
- ✓ Tumble contents prior to use to prevent segregation.
- ✓ Open containers should be stored in a drying oven to prevent moisture pickup.

Safety Recommendations

Download MSDS/SDS NS6130-09-907

SDS are available from the Nanoshel

Website at

<https://www.nanoshel.com/sections/clay-nanopowders>