

## Certificate of Analysis

Date of Testing: 2025-06-26 09:10:51

Date of Next Testing: 2029-06-25 09:10:51

Product Name: **Montmorillonite**

CAS Number: 1318-93-0

Specifications & Purity: pharmaceutical grade, PharmPure™

Lot #: F2524570

SKU #: **M141491**

Version: **0**

**Analysis #:** **519182**

Storage Temperature: Room temperature

| Parameter                             | Limit Values                          | Result                                |
|---------------------------------------|---------------------------------------|---------------------------------------|
| PH                                    | 6-9                                   | 6.97                                  |
| Loss on drying                        | 0-10 (%)                              | 2.01 %                                |
| Total number of bacteria              | 0-100 (cfu/g)                         | 0.85 cfu/g                            |
| Heavy metals                          | 0-10 (ppm)                            | 1.00 ppm                              |
| Al <sub>2</sub> O <sub>3</sub>        | >=15(%)                               | 21.81 %                               |
| Coliform bacteria                     | 0-100 (cfu/g)                         | 0.96 cfu/g                            |
| Total yeasts and molds count(TYMC)    | 0-20 (cfu/g)                          | 0.54 cfu/g                            |
| (As)Arsenic                           | 0-2 (ppm)                             | 1.04 ppm                              |
| Degree of expansion                   | 2-5 (ml/g)                            | 3.50 ml/g                             |
| Solubility in H <sub>2</sub> O        | 0-0.5 (%)                             | 0.00 %                                |
| Silicon dioxide (SiO <sub>2</sub> )   | >=55(%)                               | 60.00 %                               |
| Appearance (M141491)                  | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Carbonate                             | Passes test                           | Passes test                           |
| Chloride (Cl <sup>-</sup> )           | pass                                  | Pass                                  |
| Adsorption force (strychnine sulfate) | 0.35-0.55 g/g                         | 0.35-0.55 g/g                         |



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager