

Certificate of Analysis

Date of Testing: 2023-05-27 14:10:41
Date of Next Testing: 2027-05-26 14:10:41
Product Name: **Montmorillonite**
CAS Number: 1318-93-0
Specifications & Purity: pharmaceutical
Lot #: E2318769
SKU #: **M141491**
Analysis: **200315**

Parameter	Limit Values	Result
Loss on drying	0-10 (%)	0.01 %
Total number of bacteria	0-100 (cfu/g)	1.06 cfu/g
Heavy metals	0-10 (ppm)	2.82 ppm
Al ₂ O ₃	≥15 (%)	25.13 %
Coliform bacteria	0-100 (cfu/g)	0.84 cfu/g
Total yeasts and molds count(TYMC)	0-20 (cfu/g)	3.54 cfu/g
(As)Arsenic	0-2 (ppm)	1.03 ppm
Silicon dioxide (SiO ₂)	≥55 (%)	2539.00 %
PH	6-9	8.50
Solubility in H ₂ O	0-0.5 (%)	0.50 %
Degree of expansion	2-5 (ml/g)	2.50 ml/g
Appearance (M141491)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Carbonate	Passes test	Passes test
Chloride (Cl ⁻)	pass	Pass
Adsorption force (strychnine sulfate)	0.35-0.55 g/g	0.35-0.55 g/g



John Su
QA & QC Manager