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## Product Specification

Product Name:  
Halloysite nanoclayProduct Number: **685445**  
CAS Number: 1332-58-7 $\text{Al}_2\text{Si}_2\text{O}_5(\text{OH})_4 \cdot 2 \text{H}_2\text{O}$ Formula:  $\text{H}_4\text{Al}_2\text{O}_9\text{Si}_2 \cdot 2 \text{H}_2\text{O}$   
Formula Weight: 294.19 g/mol

TEST	Specification
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Appearance (Color)	White to Tan
Appearance (Form)	Powder
Loss on Drying	
Specification: Report Results	
Miscellaneous Supplier Data	
BHT Surface Area	
Specification: Report Result	
Miscellaneous Assay	Conforms
Pore Volume; 1.26-1.34 ml/gm	
Bulk Density	
Specification: Report Results	
Units: lbs/ft <sup>3</sup>	
pH	Conforms
4.5-7.0	
Diameter	Conforms
30-70 Nanometers	
Length	Conforms
1-3 microns	
Product of Supplier	Conforms
Product of Applied Minerals, Inc.	
ICP Major Analysis	Confirmed
Confirms Al and Si Components	
Trace Metal Analysis	
Specification: Report Results	

Specification: PRD.4.ZQ5.10000027252

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.