

Certificate of Analysis

(Representative Sample Certificate)

Product Name: Magnesium Aluminum Silicate HV
INCI Name: Magnesium aluminum silicate
CAS Number: 12199-37-0
Lot Number: Not available (data may vary slightly with different lots or batches)
Expiration Date: 60 months from production date

Property	Specification	Analysis
Appearance (USP/NF)	Fine Granules	Conforms
Acid Demand (USP/NF)	4.0 MAX	Pass
Al/Mg ratio (USP/NF)	0.5 - 1.2	1.0
Arsenic Content (USP/NF)	3.0 ppm MAX	1.0 ppm
Lead Content (USP/NF)	15.0 ppm MAX	13.7 ppm
*Bacteria (USP/NF)	100 CFU/g MAX	<50 CFU/g
*Yeast & Fungi (USP/NF)	100 CFU/g MAX	<50 CFU/g
*E. Coli (USP/NF)	0 CFU/g	Conforms
*Salmonella Sp. (USP/NF)	0 CFU/g	Conforms
*S. Aureus (USP/NF)	0 CFU/g	Conforms
*P. Aeruginosa (USP/NF)	0 CFU/g	Conforms
*Gram negative organisms (T-968)	0 CFU/g	Conforms
*C. albicans (T-1120)	≤10 CFU/g	Pass
Loss on Drying (USP/NF)	8.0% MAX	4.5%

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy themselves as to the suitability & completeness of such information for their own particular use.

pH, 5% Dispersion (USP/NF)	9.0 - 10.0	9.3
Viscosity, 5% Dispersion (USP/NF)	8000 - 2200 cPs	1428 cPs
X-Ray, Reg1 (USP/NF)	15.0 - 17.2 Ao	17.1
X-Ray, Reg2 (USP/NF)	1.510 - 1.540 Ao	1.520
X-Ray, Reg3 (USP/NF)	1.492 - 1.504 Ao	1.501
Appearance (USP/NF)	Fine Granules	Conforms

*Our supplier certifies this result based on gamma irradiation and validation of the irradiation process to achieve the indicated result. This result may also be certified by actual testing.

The above data was obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed. All data are as per our supplier.

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