

## Certificate of Analysis

Date of Testing: 2022-03-20 09:18:07  
Date of Next Testing: 2025-03-19 09:18:07  
Product Name: **Magnesium aluminate, spinel**  
CAS Number: 12068-51-8  
Specifications & Purity: 99.9%metal basis , D1=1 $\mu$ m  
Lot #: C2215542  
SKU #: **M333153**  
**Analysis: 063539**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Based on Trace Metals Impurities of ICP)	99.9-100 (%)	99.97%
total metallic impurities(by ICP Atomic emission)	0-2000 (ppm)	291.00 ppm
Particle size(D1)	0.5-1.5 ( $\mu$ m)	1.47000 $\mu$ m
Particle size(D50)	40-60 ( $\mu$ m)	50.00 $\mu$ m
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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