

## Certificate of Analysis

**Product Description:** Steelball Lysing Matrix - Bulk  
**Catalog Number:** 6540431\_  
**Lot:** Q8169\_

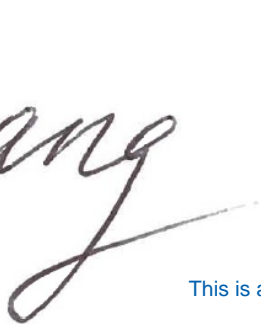
**Formula:** N/A  
**CAS #:** N/A  
**Physical Description:** Steel Grinding Spheres

**Formula Weight:** N/A  
**Storage:** 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes

Hardness: 60 - 65 HRC  
Chromium: 16 - 18%  
Carbon: 0.95 - 1.20%  
Manganese: 1.0%  
Silicon: 1.0%  
Phosphorus: 0.040%  
Sulfur: 0.030%  
Molybdenum: 0.75%  
Recommended Retest Date: 12/05/2027

12/06/2017 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager



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