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Certificate of Analysis

Product Description: MP Alumina A, Super I
Catalog Number: 04592; 04595; 04598; 04601
Lot: QR13524**Formula:** N/A
CAS #: N/A
Physical Description: Invisible flow powder in sealed metal bottle**Formula Weight:** N/A
Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
pH	4.2 - 4.8	4.4
Activity according to Brockmann	14 - 18 I/mm	14 I/mm
Loss of Ignition	1.1 - 1.5%	1.2%
Chloride	0.4 - 0.6%	0.6%
Particle Size Distribution	fine parts <63 µm: ≤10% large parts >200 µm: ≤5%	6.7% 0.8%

/Recommended Retest Date: 03/07/2019

03/10/2017 - John Huang, PhD
MP Biomedicals, LLC.
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