

## Certificate of Analysis

### Client Information

### Sample Information

Date Received: 2/9/2024  
Date Tested: 2/16/2024  
Description: MS Powder 16  
Lot#: OA0016Y

| Results                             |             |           |               |               |           |        |
|-------------------------------------|-------------|-----------|---------------|---------------|-----------|--------|
| Analysis                            | Method      | MDL / LOQ | Specification | Results       | UOM       | Lab ID |
| Complete Micro Profile (High Count) | USP, AOAC   |           |               |               |           | 1      |
| Total Plate Count (High Count)      | USP <2021>  | 100       | Record Only   | 2,000         | cfu's/g   | 1      |
| Coliforms                           | AOAC 991.14 | 100       | Record Only   | None Detected | cfu's/g   | 1      |
| E. coli                             | USP <2022>  | Absent    | Record Only   | Absent        | cfu's/10g | 1      |
| Staphylococcus aureus               | USP <2022>  | Absent    | Record Only   | Absent        | cfu's/10g | 1      |
| Salmonella                          | USP <2022>  | Absent    | Record Only   | Absent        | cfu's/10g | 1      |
| Yeast (High Count)                  | USP <2021>  | 100       | Record Only   | None Detected | cfu's/g   | 1      |
| Mold (High Count)                   | USP <2021>  | 100       | Record Only   | None Detected | cfu's/g   | 1      |
| FT-IR Analysis                      | ARL 8.012   | 0.1       | > 95          | 99.5          | %         | 1      |

#### Method Detection Limit (MDL):

In microbiological testing, this is the minimum level of growth that can be detected with confidence. If a result is reported as "None Detected", it means any visible growth was below this limit.

#### Limit of Quantitation (LOQ):

In analytical chemistry testing, this is the minimum level of the desired analyte that can be quantified with confidence. If a result is reported as less than LOQ, it means any detected amount was too small to report an exact number.

Under accreditation number 77504, ARL is an ISO/IEC 17025:2017 Accredited Laboratory. Uncertainty data for ISO-scoped methods is available upon request. Certificate and scope are also available upon request.

Form: arlcoa031201a

experience • professionalism • value



Released by: Spencer Ashby

Date Released: 2/16/2024

Printed on: 2/16/2024 5:21:56 PM

This Certificate of Analysis (COA) represents data only for the sample provided and is valid only in conjunction with the provided QR code. It does not constitute a guarantee of quality for the entire production lot. This COA shall not be reproduced, except in its entirety. Amendments to this COA shall be made only by ARL through written requests by the Client to whom this COA is issued. As a confirmation of validity, the above-provided QR code links to this exact COA on ARL servers. Its absence signals potential alterations.