



**ARL**  
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## Certificate of Analysis

### Client Information

Elite Manufacturing and Packaging  
 380 N 880 W  
 Lindon, UT  
 84042  
 801-877-2789

### Sample Information

ARL ID: 256424  
 Date Received: 10/10/2018  
 Description: TL Collagen Hydrolysate Powder Chocolate (412  
 GMS)  
 Lot#: 18100864

| Analysis                        | Method         | MDL    | Specification | Results       | UOM       |
|---------------------------------|----------------|--------|---------------|---------------|-----------|
| Complete Micro Profile, HM, Org | USP, AOAC      |        |               |               |           |
| Total Plate Count               | USP <2021>     | 100    | Record Only   | None Detected | cfu's/g   |
| Coliforms                       | AOAC 991.14    | 10     | Record Only   | None Detected | cfu's/g   |
| E. coli                         | USP <2022>     | Absent | Record Only   | Absent        | cfu's/10g |
| Staphylococcus aureus           | USP <2022>     | Absent | Record Only   | Absent        | cfu's/10g |
| Salmonella                      | USP <2022>     | Absent | Record Only   | Absent        | cfu's/10g |
| Yeast (Rapid)                   | AOAC RI        | 100    | Record Only   | None Detected | cfu's/g   |
| Mold (Rapid)                    | AOAC RI        | 100    | Record Only   | None Detected | cfu's/g   |
| Heavy Metals*                   | ARL ICPMS 2.60 |        |               |               |           |
| Arsenic (As)*                   | ARL ICPMS 2.60 | 0.001  | Record Only   | 0.020         | ppm       |
| Cadmium (Cd)*                   | ARL ICPMS 2.60 | 0.001  | Record Only   | 0.016         | ppm       |
| Lead (Pb)*                      | ARL ICPMS 2.60 | 0.001  | Record Only   | 0.043         | ppm       |
| Mercury (Hg)*                   | ARL ICPMS 2.60 | 0.001  | Record Only   | 0.003         | ppm       |
| ID-FTIR                         | FTIR           |        |               |               |           |
| Appearance                      | ARL 2.03       |        | Record Only   | Powder        |           |
| Color                           | ARL 2.03       |        | Record Only   | Brown         |           |
| Flavor                          | ARL 2.03       |        | Record Only   | Chocolate     |           |
| Odor                            | ARL 2.03       |        | Record Only   | Chocolate     |           |
| FT-IR Analysis                  | FT-IR 2.04     | 0.1    | > 95          | 99.4          | %         |