# CERTIFICATE OF ANALYSIS

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|---|---|
| Product Name: | **AstaFX Plus** |
| Product #: | **PY084** Manufactured for: Purity Products |
| Lot#: | 193309 |
| Date Manufactured: | 8/2020 |
| Product Appearance: | #0 Green/Green opaque vege capsule filled with yellowish/red oil/paste. |
| Weight Variation: | (Current USP) – Target Weight: 0.6783 g Average Weight: 0.5974g |
| Disintegration Time: | (Current USP) – Specification: NMT 30 minutes Result: 11 minutes |
| Reference: | B1334p105, B1349p99 |

**DIETARY INGREDIENTS**

| Ingredient Name | LC/2caps | Result | % of LC | Spec | Method |
|---|---|---|---|---|---|
| Astaxanthin | 5.00 mg | Positive | 100.00 | Positive | ID-HPLC** |
| Carotenoid Co-Factor Blend | 195.00 mg | 195.00 mg | 100.00 | NLT 100% | ** |
| Carrot Powder | 70.00 mg | 70.00 mg | 100.00 | NLT 100% | ** |
| Organic Spirulina | 65.00 mg | 65.00 mg | 100.00 | NLT 100% | ** |
| Spinach powder | 55.00 mg | 55.00 mg | 100.00 | NLT 100% | ** |
| Lycopene Concentrate | 2.50 mg | Positive | 100.00 | Positive | ID-HPLC** |
| Lutein (from Marigold flower extract) | 2.50 mg | Positive | 100.00 | Positive | ID-HPLC** |
| Bioperine® (Black pepper fruit extract) | 5.00 mg | 5.10 mg | 101.92 | 100-150% | HPLC |

**OTHER INGREDIENTS**

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|---|
| Rice flour |
| Cellulose (vegetarian capsule) |
| Magnesium stearate |
| Silica |
| Titanium dioxide |
| Chlorophyll (color) |

**HEAVY METALS**

| Heavy Metal | Specification | Result/2caps | Method |
|---|---|---|---|
| Lead: | ≤ 2.75 µg/maximum daily dose | 0.050 mcg | ICP-MS |
| Arsenic: | ≤ 10 µg/maximum daily dose | 0.013 mcg | ICP-MS |
| Cadmium: | ≤ 4.1 µg/maximum daily dose | 0.018 mcg | ICP-MS |

# CERTIFICATE OF ANALYSIS

| MICROBIOLOGY | | | |
|---|---|---|---|
| **Micro Study#MB0008365** | **Specification** | **Result** | **Method** |
| Total Plate Count: | < 10,000 CFU/g | 250 cfu/g | Current USP |
| Yeast & Mold Count: | < 1,000 CFU/g | <10 cfu/g | Current USP |
| Escherichia Coli: | Negative | ND | Current USP |
| Salmonella: | Negative | ND | Current USP |
| Staphylococcus Aureus: | Negative | ND | Current USP |
| Prepared By: | | | Date: 8/20/20 |
| Reviewed By: | | | Date: 8/20/20 |
| Approved By: | | | Date: 8/20/20 |

**- In Accordance with 21 CFR 111.75(d) (1) the following finished dietary ingredients product specifications are exempt from direct finished batch testing requirements as set forth in paragraph 21 CFR 111.75(c) (1). Also Confirmed by proper raw material identification, verified by production process controls and QA batch record Review and approval to ensure finished product meets all approved MMR in-process specifications. Ref: SOP No. QC-3.