**Trafa Pharmaceutical Supplies, LLC**
140 Padgette Steet, Unit D, Chicopee, MA 01022, USA
Tel: 1-866-99-Trafa (87232) FAX: 1-800-627-1880
Email: SalesUSA@TrafaPharmaSupplies.com
Website: www.TrafaPharmaSupplies.com

# Specification Sheet

| | |
|---|---|
| **Product Name** | VITAMIN A ACETATE 500,000IU |
| **CAS #** | 127-47-9 |
| **Molucular Formula** | $C_{22}H_{32}O_2$ |
| **Carrier** | Gum Arabic, sucrose |
| **Coating Agent** | Starch |
| **Anti-oxidant** | Vitamin E |
| **Flow Agent** | Tri-calcium Phosphate |

| TESTS | SPECIFICATION | TEST PROTOCOL |
|---|---|---|
| **ASSAY** | | |
| Assay | Vitamin A ≥500,000 UI/g | USP |
| **PHYSICAL CONTROL** | | |
| Appearance | Yellow powder | Visual |
| Identification | Positive | TLC |
| Particle Size | 100% through 30 mesh<br>≥ 90% through40 mesh<br>≤ 15% through 100 mesh | Sieve |
| Loss on Drying | ≤ 8.00% | USP |
| Residue on Ignition | ≤ 5% | USP |
| **CHEMICAL CONTROL** | | |
| Heavy Metals | ≤ 20 ppm | USP |
| Lead (Pb) | ≤ 1 ppm | ICP-MS |
| Arsenic (As) | ≤ 3 ppm | ICP-MS |
| Cadmium (Cd) | ≤ 1 ppm | ICP-MS |
| Mercury (Hg) | ≤ 0.1 ppm | ICP-MS |
| **MICROBIOLOGICAL CONTROL** | | |
| Total plate Count | ≤ 1000 cfu/g | AOAC |
| Yeast & Mold | ≤ 100 cfu/g | AOAC |
| Coliforms | ≤ 90 cfu/g | AOAC |
| S. aureus | Negative | AOAC |
| Salmonella | Negative | AOAC |
| E. Coli | Negative | AOAC |

Note: The above information is based on the specification sheet received from the manufacturer of this product and not intended as a substitute for strict quality control analysis by the purchaser of this product.

Reviewed by : _____
Abdullah Malik (QA)