



## Product Specification

Product: **AF ASHWAGANDHA**

Code Number: **5404**

**Product Description:** A liquid extract from the whole plant of Withania somnifera in a base of glycerin and water.

**Ingredients:** Glycerin, Water, Ashwagandha Extract

| Test                   | Specification                  | Method             |
|------------------------|--------------------------------|--------------------|
| <b>PHYSICAL</b>        |                                |                    |
| Appearance             | Slightly cloudy, mobile liquid | TM001-1-Visual     |
| Color                  | Brown, compares to standard    | TM001-2-Visual     |
| Identification - FTIR  | $\geq 0.95$                    | TM002-1-FTIR       |
| Odor                   | Characteristic, herbal         | TM001-3-Olfactory  |
| pH                     | 4.00 - 5.50                    | TM0007 / USP<791>  |
| Refractive Index       | 1.4300 - 1.4800                | TM0008/USP<831>    |
| Solid Content          | 69.00 - 89.00 % (2hrs @105° C) | TM0006-Gravimetric |
| Specific Gravity       | 1.2100 - 1.2800                | TM0009/USP<841>    |
| <b>CHEMICAL</b>        |                                |                    |
| Residual Solvents      | $\leq 3,000$ ppm               | GC/ USP <467>      |
| <b>MICROBIOLOGICAL</b> |                                |                    |
| Combined Yeast & Mold  | $< 200$ cfu/g                  | USP <2021>         |
| E.coli                 | Absent in 10 g                 | USP <2022>         |
| Salmonella             | Absent in 10 g                 | USP <2022>         |
| Staph. aureus          | Absent in 10 g                 | USP <2022>         |
| TAPC                   | $< 500$ cfu/g                  | USP <2021>         |
| <b>GENERAL</b>         |                                |                    |
| Expiration Period      | 4 Years                        |                    |

### NOTES:

Retest Date: **4 Years**

**Packaging and Storage:** 5 gallon white HDPE plastic pail with SBR gasket and HDPE locking lid or 55 gallon blue HDPE plastic drum with SBR gasket and HDPE locking lid.  
Store well sealed at room temperature away from heat

Revision # 7  
Effective Date: 4/5/2019

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Quality: \_\_\_\_\_

Vanessa Deras  
(electronically signed)

Date: 4/5/2019 Time: 10:39:00AM