



**PRODUCT ANALYTICAL REPORT**

Product: PrimaVie®

Item Code: 1010

Supplier Lot No.: SJ202102058-SNPL

Batch No.: PME-0140-21

Supplier: Sakti Naturals Pvt. Ltd. D/M: 02/21

D/ E: 02/26

|                           |                          |                                 |
|---------------------------|--------------------------|---------------------------------|
| CoA No.: PAR 010/R1       | Effective Date: 05/01/17 | Reason for Revision: CCR 002/18 |
| Written By: Alekhya Dandu | Checked By: Jinkal Patel | Approved By: Dr. Sanni Raju     |

| TESTS                                 | SPECIFICATION  | METHOD               | RESULTS              | PERFORMED BY  |
|---------------------------------------|--|----------------------|----------------------|---------------|
| <b>Description</b>                    | Appearance: Fine, free flowing powder with occasional lumps<br>Color: Brown to dark brown<br>Odor: Characteristic<br>Taste: Mildly bitter                                  | Visual               | Pass                 | Natreon India |
| <b>Identification</b>                 | Compares to standard reference material  | FT-IR and HPLC - PDA | Pass                 | Natreon India |
| <b>Assay</b>                          | Dibenzo- $\alpha$ - pyrones (DBPs): $\geq 10.30\%$ (w/w)<br>Plus Dibenzo- $\alpha$ - pyrone Chromoproteins (DCPs)<br>Fulvic acids with DBP Core Nucleus: $\geq 50\%$ (w/w) | HPLC - PDA           | 15.28%<br><br>65.27% | Natreon India |
| <b>Moisture Content</b>               | $\leq 6\%$ (w/w)   | USP <921>            | 4.55%                | Natreon India |
| <b>E4/E6 at 465/665 nm</b>            | 7.0 - 9.5  | Calculated           | 8.04                 | Natreon India |
| <b>pH (2.0% aqueous dispersion)</b>   | $\geq 5$   | pH Meter             | 7.80                 | Natreon India |
| <b>Water-soluble Extractive Value</b> | $\geq 80\%$ (w/w)  | Gravimetry           | 96.64%               | Natreon India |
| <b>Particle Size</b>                  | Passing through mesh # 40: $\geq 95\%$<br>Passing through mesh # 80: $\geq 85\%$   | USP <786>            | 100%<br>97.00%       | Natreon India |
| <b>Bulk Density</b>                   | To report  | USP <616>            | 0.46gm/cc            | Natreon India |

\*Results are based upon Natreon India & External Laboratory analysis reports

|  |                                   |                                      |
|--|-----------------------------------|--------------------------------------|
| RELEASED <input checked="" type="checkbox"/> | REJECTED <input type="checkbox"/> | QUARANTINED <input type="checkbox"/> |
| Reviewed By:                                 | Date: 03/22/21                    | Approved By:                         |
|  |                                   | Date: 03/22/21                       |



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|------------------------|---|--------------------|---------|----------------------|
| <b>Heavy Metals</b>    | Total Heavy Metal: ≤ 10 ppm                       | ICP-MS<br>USP<730> | 1.155   | Advanced Labs,<br>NC |
|                        | Lead (Pb): ≤ 2 ppm                                |                    | 0.504   |                      |
|                        | Arsenic (As): ≤ 3 ppm                             |                    | 0.451   |                      |
|                        | Cadmium (Cd): ≤ 0.5 ppm                           |                    | 0.100   |                      |
|                        | Mercury (Hg): ≤ 0.5 ppm                           |                    | 0.001   |                      |
| <b>Microbial Tests</b> | Total Aerobic microbial count: ≤ 5000 CFU/g       | USP<2021>          | 620     | Advanced Labs,<br>NC |
|                        | Combined Mold & Yeast: ≤ 1000 CFU/g               | USP<2021>          | <10     |                      |
|                        | Bile Tolerant Gram-Negative Bacteria: ≤ 100 CFU/g | USP<2021>          | <10     |                      |
|                        | Salmonella species: absent in 10 g                | USP<2022>          | Nil     |                      |
|                        | E. Coli: absent in 1 g                            | USP<2022>          | Nil     |                      |
|                        | Pseudomonas aeruginosa: absent in 1 g             | USP<62>            | Nil     |                      |
|                        | Staphylococcus aureus: absent in 1 g              | USP<2022>          | Nil     |                      |
|                        | Candida albicans: absent in 1 g                   | USP<2021>          | Nil     |                      |

\*Results are based upon Natreon India & External Laboratory analysis reports

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