

Rad One LTD

Claudia Armstead  
32 Barnmead  
Haywards, UNITED KINGDOM RH16 1UZ

## ANALYTICAL REPORT

AR-23-JL-047485-01

**Client Code:** JL0000651  
**PO#:** 500mg Meriva\_PO-0231

**Received On:** 06Sep2023  
**Reported On:** 19Sep2023

|                                                                              |  |                                                                   |                                                            |                               |                 |
|------------------------------------------------------------------------------|--|-------------------------------------------------------------------|------------------------------------------------------------|-------------------------------|-----------------|
| <b>Eurofins Sample Code:</b> 990-2023-09060171                               |  | <b>Sample Registration Date:</b> 06Sep2023                        |                                                            |                               |                 |
| <b>Client Sample Code:</b> ME-7876-202-3A                                    |  | <b>Condition Upon Receipt:</b> acceptable, 21.4°C                 |                                                            |                               |                 |
| <b>Sample Description:</b> Meriva Curcumin Phytosome 500mg                   |  | <b>Sample Reference:</b>                                          |                                                            |                               |                 |
| <b>FS014 - Heavy Metals USP 233</b>                                          |  | <b>Reference</b><br>USP 233 Mod.                                  | <b>Accreditation</b>                                       | <b>Completed</b><br>12Sep2023 | <b>Sub</b><br>1 |
| <b>Parameter</b>                                                             |  | <b>Result</b>                                                     | <b>Result</b>                                              | <b>Theoretical</b>            |                 |
| Arsenic                                                                      |  | <10.0 ppb                                                         |                                                            |                               |                 |
| Cadmium                                                                      |  | 8.15 ppb                                                          |                                                            |                               |                 |
| Lead                                                                         |  | 26.4 ppb                                                          |                                                            |                               |                 |
| Mercury                                                                      |  | <5.00 ppb                                                         |                                                            |                               |                 |
| <b>FS05M - Organoleptic Evaluation</b>                                       |  | <b>Reference</b><br>Internal Method based on USP 25th ed. pg 2363 | <b>Accreditation</b>                                       | <b>Completed</b><br>07Sep2023 | <b>Sub</b><br>1 |
| <b>Parameter</b>                                                             |  | <b>Result</b>                                                     | <b>Result</b>                                              | <b>Theoretical</b>            |                 |
| Appearance                                                                   |  | Clear capsules with an orange clumping powder fill                |                                                            |                               |                 |
| Characteristic Odor                                                          |  | Faint uncharacterized odor                                        |                                                            |                               |                 |
| Package Appearance                                                           |  | Black plastic commercial container                                |                                                            |                               |                 |
| <b>M9027 - Total Curcuminoids</b>                                            |  | <b>Reference</b><br>Internal method                               | <b>Accreditation</b>                                       | <b>Completed</b><br>19Sep2023 | <b>Sub</b><br>2 |
| <b>Parameter</b>                                                             |  | <b>Result</b>                                                     | <b>Result</b>                                              | <b>Theoretical</b>            |                 |
| Bis-Desmethoxy Curcumin                                                      |  | 3,690 µg/g                                                        |                                                            |                               |                 |
| Curcumin                                                                     |  | 152,000 µg/g                                                      |                                                            |                               |                 |
| Desmethoxy Curcumin                                                          |  | 32,600 µg/g                                                       |                                                            |                               |                 |
| Total Curcuminoids                                                           |  | 188,000 µg/g                                                      |                                                            |                               |                 |
| <b>UM70J - Total Combined Yeasts/Moulds Count - USP Chapter &lt;2021&gt;</b> |  | <b>Reference</b><br>U.S. Pharmacopeia Chapter 2021                | <b>Accreditation</b><br>ISO/IEC 17025:2017<br>A2LA 2918.05 | <b>Completed</b><br>12Sep2023 |                 |

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| <b>Eurofins Sample Code:</b> | 990-2023-09060171                  | <b>Sample Registration Date:</b> | 06Sep2023          |
| <b>Client Sample Code:</b>   | ME-7876-202-3A                     | <b>Condition Upon Receipt:</b>   | acceptable, 21.4°C |
| <b>Sample Description:</b>   | Meriva Curcumin Phytosome<br>500mg | <b>Sample Reference:</b>         |                    |

|                                                                              |                                                    |                                                            |                               |
|------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------|-------------------------------|
| <b>UM70J - Total Combined Yeasts/Moulds Count - USP Chapter &lt;2021&gt;</b> | <b>Reference</b><br>U.S. Pharmacopeia Chapter 2021 | <b>Accreditation</b><br>ISO/IEC 17025:2017<br>A2LA 2918.05 | <b>Completed</b><br>12Sep2023 |
|------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------|-------------------------------|

| Parameter                          | Result     | Result     | Theoretical |
|------------------------------------|------------|------------|-------------|
| Total Combined Yeasts/Moulds Count | < 10 cfu/g | < 10 cfu/g |             |

|                                           |                                |                                                            |                               |
|-------------------------------------------|--------------------------------|------------------------------------------------------------|-------------------------------|
| <b>ZMCKU - E. coli - USP &lt;2022&gt;</b> | <b>Reference</b><br>USP <2022> | <b>Accreditation</b><br>ISO/IEC 17025:2017<br>A2LA 2918.05 | <b>Completed</b><br>09Sep2023 |
|-------------------------------------------|--------------------------------|------------------------------------------------------------|-------------------------------|

| Parameter | Result                | Result                | Theoretical |
|-----------|-----------------------|-----------------------|-------------|
| E. coli   | Not Detected per 10 g | Not Detected per 10 g |             |

|                                                                         |                                                    |                                                            |                               |
|-------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------|-------------------------------|
| <b>ZMDFK - Total Aerobic Microbial Count - USP Chapter &lt;2021&gt;</b> | <b>Reference</b><br>U.S. Pharmacopeia Chapter 2021 | <b>Accreditation</b><br>ISO/IEC 17025:2017<br>A2LA 2918.05 | <b>Completed</b><br>08Sep2023 |
|-------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------|-------------------------------|

| Parameter                     | Result          | Result          | Theoretical |
|-------------------------------|-----------------|-----------------|-------------|
| Total Aerobic Microbial Count | 200 (est) cfu/g | 200 (est) cfu/g |             |

|                                                                 |                                                    |                                                            |                               |
|-----------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------|-------------------------------|
| <b>ZMDGE - Staphylococcus aureus - USP Chapter &lt;2022&gt;</b> | <b>Reference</b><br>U.S. Pharmacopeia Chapter 2022 | <b>Accreditation</b><br>ISO/IEC 17025:2017<br>A2LA 2918.05 | <b>Completed</b><br>08Sep2023 |
|-----------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------|-------------------------------|

| Parameter             | Result             | Result             | Theoretical |
|-----------------------|--------------------|--------------------|-------------|
| Staphylococcus aureus | Not Detected per g | Not Detected per g |             |

|                                                                             |                                                  |  |                               |
|-----------------------------------------------------------------------------|--------------------------------------------------|--|-------------------------------|
| <b>ZMDUA - Confirmation Pseudomonas aeruginosa - USP Chapter &lt;62&gt;</b> | <b>Reference</b><br>U.S. Pharmacopeia Chapter 62 |  | <b>Completed</b><br>10Sep2023 |
|-----------------------------------------------------------------------------|--------------------------------------------------|--|-------------------------------|

| Parameter              | Result             | Result             | Theoretical |
|------------------------|--------------------|--------------------|-------------|
| Pseudomonas aeruginosa | Not Detected per g | Not Detected per g |             |

|                                                                                             |                                                    |                                                            |                               |
|---------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------|-------------------------------|
| <b>ZME88 - Bile-Tolerant Gram Negative Bacteria (Semiquanti) - USP Chapter &lt;2021&gt;</b> | <b>Reference</b><br>U.S. Pharmacopeia Chapter 2021 | <b>Accreditation</b><br>ISO/IEC 17025:2017<br>A2LA 2918.05 | <b>Completed</b><br>09Sep2023 |
|---------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------|-------------------------------|

| Parameter                                         | Result        | Result        | Theoretical |
|---------------------------------------------------|---------------|---------------|-------------|
| Bile-Tolerant Gram Negative Bacteria (Semiquanti) | <10 MPN per g | <10 MPN per g |             |

|                                                           |                                                    |                                                            |                               |
|-----------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------|-------------------------------|
| <b>ZMEV2 - Salmonella spp. - USP Chapter &lt;2022&gt;</b> | <b>Reference</b><br>U.S. Pharmacopeia Chapter 2022 | <b>Accreditation</b><br>ISO/IEC 17025:2017<br>A2LA 2918.05 | <b>Completed</b><br>09Sep2023 |
|-----------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------|-------------------------------|

| Parameter       | Result                | Result                | Theoretical |
|-----------------|-----------------------|-----------------------|-------------|
| Salmonella spp. | Not Detected per 10 g | Not Detected per 10 g |             |

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**Subcontracting partners:**

- 1 - Eurofins Food Chemistry Testing US Madison, WI
- 2 - Eurofins Botanical Testing US Brea, California

Respectfully Submitted,



  
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Shannon Kelly  
Snr Client Services Associate

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Snr Client Services Associate

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