

# CERTIFICATE OF ANALYSIS

Document Print Date **20-Mar-2025**

|                      |                 |   |                        |               |
|----------------------|-----------------|---|------------------------|---------------|
| <b>Customer</b>      | IC-C-0001       | Balchem Corporation                           | <b>Batch No</b>        | BN12000005421 |
| <b>Customer PO</b>   |                 |   | <b>Manufacturing /</b> | 21-Oct-2024   |
| <b>Customer Item</b> |                 |   | <b>Packaging Date</b>  |               |
| <b>Order No</b>      |                 |   | <b>Exp. Date</b>       | 21-Oct-2027   |
| <b>Product</b>       | 03455-XX-KG0025 | Magnesium Bisglycinate Chelate<br>Buffered SF | <b>Ship To</b>         |               |

|                                   |                        |                       |
|-----------------------------------|------------------------|-----------------------|
| <b>Manufacturing Site Address</b> | <b>Quality Contact</b> | <b>Tamera Rochell</b> |
| Balchem - Ogden Human Plant       | <b>Email</b>           | trochell@balchem.com  |
| 2774 S. 1760 W.                   |                        |                       |
| Ogden, UT 84401 USA               |                        |                       |

## Analytical Results

| Test<br>Description  | Specification                                |       |      |       | Batch Analysis<br>Result |
|----------------------|--|-------|------|-------|--------------------------|
|                      | Method                                       | Units | Min  | Max   |                          |
| QCL-Mg(%..)-ICP1     | Magnesium - QC WI (Q 100)                    | %..   | 18   |       | 19                       |
| QCL-As(ppm)-ICPMS    | Arsenic - QC WI (Q 54)                       | ppm_  |      | 1.50  | <0.05                    |
| QCL-Cd(ppm)-ICPMS    | Cadmium - QC WI (Q 54)                       | ppm_  |      | 0.50  | <0.05                    |
| QCL-Hg(ppm)-ICPMS    | Mercury - QC WI (Q 54)                       | ppm_  |      | 0.10  | <0.05                    |
| QCL-Pb(ppm)-ICPMS    | Lead - QC WI (Q 54)                          | ppm_  |      | 1.50  | <0.05                    |
| QCL-N(%)-LECO        | Nitrogen - QC WI (Q 93)                      | %.    | 8.5  | 10.5  | 9.8                      |
| QCL-FTIR(Pass)-FTIR  | FTIR - QC WI (Q 36)                          |       |      |       | Pass                     |
| QCL-Color-Visual     | Color - QC WI (Q 26)                         |       |      |       | Pass                     |
| QCL-TapDen(g per cc) | Tap Density - QC WI (Q 25)                   | g/cc  | 0.70 |       | 0.89                     |
| QCL-pH-pH            | pH - QC WI (Q 24)                            | pH_1  | 10.0 | 11.0  | 10.4                     |
| QCL-Moisture-LOD(%)  | Loss on drying - QC WI (Q 23)                | %.    |      | 7.0   | 4.4                      |
| QCL-TAM-Micros       | Total Aerobic Microbial Count - USP <2021>   | cfu/g |      | 1,000 | <100                     |
| QCL - Mold Yeast     | Molds and Yeasts Count - USP <2021>          | cfu/g |      | 100   | <10                      |
| QCL-Bacillus cereus  | B. cereus - QC WI (Q 170) - Absence per 10 g |       |      |       | Pass                     |
| QCL-Enterobacterial  | Enterobacterial Count - USP <2021>           | cfu/g |      | 100   | <100                     |
| QCL-E.coli-Micros    | E. coli - USP <2022> - Absence per 10 g      |       |      |       | Pass                     |
| QCL-Salmonella       | Salmonella - USP <2022> - Absence per 10 g   |       |      |       | Pass                     |
| QCL-Staph aureus     | S. aureus - USP <2022> - Absence per 10 g    |       |      |       | Pass                     |

### Customer Comments

This Certificate is computer generated. No signature is required.