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## TECHNICAL DATA SHEET Certificate of Analysis

- AG PRODUCTS
- AGRICULTURE
- HUMIC ACIDS
- HORTICULTURE
- HYDROPONICS
- LAWN & GARDEN
- GOLF & TURF  
FULL PRODUCT  
LINES
- FOLIAR  
FERTILIZERS
- FOLIAR  
MICROFERTIGATION
- DRIP SYSTEM  
PRODUCTS
- CUSTOM  
MANUFACTURING
- CUSTOM  
PACKAGING
- CUSTOM  
BLENDING
- SOIL  
AMENDMENTS
- SOIL PENETRANTS
- PRODUCT  
DEVELOPMENT
- REGISTRATION
- OMRI REGISTERED  
PRODUCTS

|  |   |                          |                   |                          |                |                      |       |                          |  |
|--|---|--------------------------|-------------------|--------------------------|----------------|----------------------|-------|--------------------------|--|
| <b>PRODUCT:</b>                            | <b>START-UP™<br/>6 - 0 - 0<br/>5% MANGANESE CHELATE SOLUTION</b>  |                          |                   |                          |                |                      |       |                          |  |
| <b>RAW MATERIAL:</b>                       | Derived from Manganese Citrate Chelate<br>Nitrogen derived from Ammonia   |                          |                   |                          |                |                      |       |                          |  |
| <b>DETAILED COMPOSITION:</b>               | <table style="width: 100%; border: none;"> <tr> <td style="width: 70%;">Total Nitrogen (N) .....</td> <td style="text-align: right;">6.00%</td> </tr> <tr> <td>6.00 Ammoniacal Nitrogen</td> <td></td> </tr> <tr> <td>Manganese (Mn) .....</td> <td style="text-align: right;">5.00%</td> </tr> <tr> <td>5.00% Chelated Manganese</td> <td></td> </tr> </table>   | Total Nitrogen (N) ..... | 6.00%             | 6.00 Ammoniacal Nitrogen |                | Manganese (Mn) ..... | 5.00% | 5.00% Chelated Manganese |  |
| Total Nitrogen (N) .....                   | 6.00%   |                          |                   |                          |                |                      |       |                          |  |
| 6.00 Ammoniacal Nitrogen                   |   |                          |                   |                          |                |                      |       |                          |  |
| Manganese (Mn) .....                       | 5.00%   |                          |                   |                          |                |                      |       |                          |  |
| 5.00% Chelated Manganese                   |   |                          |                   |                          |                |                      |       |                          |  |
| <b>PHYSICAL &amp; CHEMICAL PROPERTIES:</b> | <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">Color .....</td> <td style="text-align: right;">DARK BROWN LIQUID</td> </tr> <tr> <td>Odor .....</td> <td style="text-align: right;">STRONG AMMONIA</td> </tr> <tr> <td>pH.....</td> <td style="text-align: right;">10</td> </tr> </table>  | Color .....              | DARK BROWN LIQUID | Odor .....               | STRONG AMMONIA | pH.....              | 10    |                          |  |
| Color .....                                | DARK BROWN LIQUID   |                          |                   |                          |                |                      |       |                          |  |
| Odor .....                                 | STRONG AMMONIA  |                          |                   |                          |                |                      |       |                          |  |
| pH.....                                    | 10  |                          |                   |                          |                |                      |       |                          |  |
| <b>APPLICATION METHOD &amp; SAFETY:</b>    | <b>Field Crops including Corn, Sorghum, Beans and Cotton:</b><br><i>Soil Application</i> – Apply 2 to 5 qts. Manganese Chelate per acre in starter fertilizer. Rate will depend on extent of deficiency and soil conditions. <i>Foliar Application</i> – Thoroughly wet the leaves with a solution of 1 qt. per 100 gallons of water when crop is 6 to 12 inches high or when deficiency symptoms appear. |                          |                   |                          |                |                      |       |                          |  |
| <b>PACKAGING AND NET WEIGHT:</b>           | <table style="width: 100%; border: none;"> <tr> <td style="width: 70%;">Plastic Jugs.....</td> <td style="text-align: right;">9.47 Liters</td> </tr> <tr> <td>Plastic Pails.....</td> <td style="text-align: right;">18.93 Liters</td> </tr> </table> Packaging sizes are determined by customer requirements.  | Plastic Jugs.....        | 9.47 Liters       | Plastic Pails.....       | 18.93 Liters   |                      |       |                          |  |
| Plastic Jugs.....                          | 9.47 Liters   |                          |                   |                          |                |                      |       |                          |  |
| Plastic Pails.....                         | 18.93 Liters  |                          |                   |                          |                |                      |       |                          |  |
| <b>FACTORY NAME &amp; ADDRESS:</b>         | Western Nutrients Corporation<br>245 Industrial Street<br>Bakersfield, CA 93307<br>(661) 327-9604 – Office<br>(661) 327-1740 – Fax<br>E-Mail: <a href="mailto:Craigwnc@lightspeed.net">Craigwnc@lightspeed.net</a><br>WebSite: <a href="http://www.westernnutrientscorp.com">http://www.westernnutrientscorp.com</a>  |                          |                   |                          |                |                      |       |                          |  |