



# CERTIFICADO DE ANÁLISIS (COA)

Producto: **Closantel Sódico**

CAS N°: **61438-64-0**

## CERTIFICATE OF ANALYSIS

|                      |  |                       |                 |
|----------------------|--|-----------------------|-----------------|
| Name of the Product: | <b>CLOSANTEL SODIUM DIHYDRATE BP VET</b> |                       |                 |
| Batch No:            | CLS0120521                               | Analytical Report No: | AR/FP/CLS/21012 |
| Batch Size:          | 500 Kg                                   | Date of Release:      | 11/05/21        |
| Dispatch Quantity:   | 300 Kg                                   | Date of Manufacture:  | MAY,2021        |
| No. of containers    | 12                                       | Date of Expiry:       | APR, 2026       |

CAS NUMBER: 61438-64-0

| S.No. | Test                     | Specification  | Result       |
|-------|--------------------------|--|--------------|
| 1     | Appearance               | Yellow powder, slightly hygroscopic  | Complies     |
| 2     | Solubility               | Very slightly soluble in water, Freely soluble in Ethanol (96%), Soluble in Methanol                                   | Complies     |
| 3     | Identification           |  |              |
|       | a)By IR                  | The infrared absorption spectrum of test sample should be concordant with that of Closantel sodium Dihydrate standard. | Complies     |
|       | b) Sodium Test           | Should comply  | Complies     |
| 4     | Appearance of solution   | The solution is clear and not more intensely coloured than reference solution GY <sub>4</sub>                          | Complies     |
| 5     | Substances by HPLC(%w/w) |  |              |
|       | Impurity A               | Not more than 0.2  | Not Detected |
|       | Impurity B               | Not more than 0.2  | Not Detected |
|       | Impurity C               | Not more than 0.2  | Not Detected |
|       | Impurity D               | Not more than 0.2  | 0.06%        |
|       | Impurity E               | Not more than 0.2  | Not detected |
|       | Impurity F               | Not more than 0.3  | 0.10%        |
|       | Impurity G               | Not more than 0.5  | 0.14%        |
|       | Impurity H               | Not more than 0.3  | Not detected |
|       | Impurity I               | Not more than 0.3  | Not detected |
|       | Impurity J               | Not more than 0.2  | Not Detected |
|       | Any other Impurity       | Not more than 0.2  | 0.06%        |
|       | Total Impurities         | Not more than 1.5  | 0.36%        |
| 6     | Water content (%w/w)     | 4.8 to 5.8   | 5.3 %        |
| 7     | Assay by potentiometry   | 98.5 to 101.5%   | 99.21%       |

**REMARKS: The above material Conforms to the Specifications as per BP**

Storage condition: Preserved in well closed containers.

|                                  |                             |                              |
|----------------------------------|-----------------------------|------------------------------|
| Prepared by: <i>N. Gopalthri</i> | Checked by: <i>A. P. V.</i> | Approved by: <i>A. P. V.</i> |
| Date: <i>11/05/2021</i>          | Date: <i>11/05/2021</i>     | Date: <i>11/05/2021</i>      |

**El presente documento es copia fiel del original.**