

## **Certificate of Analysis**

| Catalog Number | BP10950      |
|----------------|--------------|
| Product Name   | Oxibendazole |

## **Physical and Chemical Properties**

| CAS No.                                  | 20559-55-1   |
|--|--|
| Chemical Formula                         | C12H15N3O3   |
| Molecular Weight                         | 249.27   |
| Solubility                               | DMSO: 30 mg/ml (120.35 mM)<br>H2O: InsolubL; E                             |
| Storage                                  | Powder: -20°C for 2 years<br>In solvent: -80°C for 1 year                  |
| Chemical Structure<br>OR<br>Tested Image | $ \xrightarrow{O} \xrightarrow{H} \xrightarrow{N} \xrightarrow{NH} O_{1} $ |

## **Product Information**

| Description | Oxibendazole is a benzimidazole drug that interferes with<br>metabolic pathways, used to protect against roundworms,<br>strongyles, threadworms, pinworms and lungworm<br>infestations in horses and some domestic pets. |
|-------------|--|
|-------------|--|

## **Analytical Data**

| HPLC  | Shows Min >99% purity  |  |
|---|--|--|
| H-NMR   | Consistent with structure  |  |
| Stability and Solubility Advice   | Information on product stability, especially in solution, has<br>rarely been reported and in most cases we can only provide<br>a general guideline. We recommend that once the stock<br>solution has been prepared, it be stored in equal quantities<br>in sealed vials and used within 1 month. Avoid repeated<br>freezing and thawing cycles. Storage conditions for some<br>special products should be referred to their storage details. |  |
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| v2 Revision on 12/28/2022   |  |  |
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