



## CERTIFICATE OF CONTENT

Product : **MURASHIGE & SKOOG MEDIUM Including Vitamins**  
Product number : M0222  
Batch number : P23973  
Quality : Duchefa  
Production date : 10-12-2024  
Expiry date : 10-12-2027

Packaging/storage : In a well closed container at room temperature,  
protected from moisture.

| Name                                                   | Product code                                        |                |
|--------------------------------------------------------|-----------------------------------------------------|----------------|
| <b>MURASHIGE &amp; SKOOG MEDIUM Including Vitamins</b> | <b>M0222</b>                                        | <b>mg/L</b>    |
| Cobalt chloride hexahydrate                            | CoCl <sub>2</sub> .6H <sub>2</sub> O                | 0.025          |
| Cupric sulphate pentahydrate                           | CuSO <sub>4</sub> .5H <sub>2</sub> O                | 0.025          |
| Ferric sodium EDTA                                     | FeNaEDTA                                            | 36.70          |
| Boric acid                                             | H <sub>3</sub> BO <sub>3</sub>                      | 6.20           |
| Potassium iodide                                       | KI                                                  | 0.83           |
| Manganese sulphate monohydrate                         | MnSO <sub>4</sub> .H <sub>2</sub> O                 | 16.90          |
| Sodium molybdate dihydrate                             | Na <sub>2</sub> MoO <sub>4</sub> .2H <sub>2</sub> O | 0.25           |
| Zinc sulphate heptahydrate                             | ZnSO <sub>4</sub> .7H <sub>2</sub> O                | 8.60           |
| Calcium chloride                                       | CaCl <sub>2</sub>                                   | 332.02         |
| Potassium dihydrogen phosphate                         | KH <sub>2</sub> PO <sub>4</sub>                     | 170.00         |
| Potassium nitrate                                      | KNO <sub>3</sub>                                    | 1900.00        |
| Magnesium sulphate                                     | MgSO <sub>4</sub>                                   | 180.54         |
| Ammonium nitrate                                       | NH <sub>4</sub> NO <sub>3</sub>                     | 1650.00        |
| Myo-inositol                                           |                                                     | 100.00         |
| Glycine                                                |                                                     | 2.00           |
| Nicotinic acid                                         |                                                     | 0.50           |
| Pyridoxine HCl                                         |                                                     | 0.50           |
| Thiamine HCl                                           |                                                     | 0.10           |
| <b>Concentration</b>                                   |                                                     | <b>4405.19</b> |

Conclusion: approved

Released by:

S. Bayat, MSc, pharmacist

Department of Quality Control Duchefa Biochemie B.V.

Date: 06-11-2025

The buyer is responsible to test each batch to ensure product is suitable for its specific purpose.

Duchefa Biochemie B.V.

