

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:

Murashige and Skoog Basal Salt Mixture (MS) – powder, plant cell culture tested

Product Number:

**M5524**

Storage Temperature:

2 - 8 °C

| TEST                                 | Specification         |
|--------------------------------------|-----------------------|
| Osmolality                           | 68 - 108 mOs/kg       |
| Water (by Karl Fischer)              | ≤ 5 %                 |
| pH                                   | 3.4 - 4.4             |
| Solubility (Turbidity)               | Clear                 |
| with faint yellow cast at 4.331 g/L  |                       |
| Appearance (Color)                   | White to Light Yellow |
| with tan cast, may have brown flakes |                       |
| Appearance (Form)                    | Powder                |
| Plant Cell Culture Test              | Pass                  |

Specification: PRD.0.ZQ5.10000013397

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.