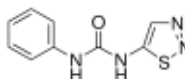


## Certificate of Analysis

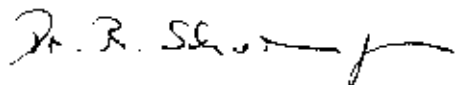
Product Name:

Thidiazuron - suitable for plant cell culture, BioReagent

**Product Number:** P6186  
**Batch Number:** BCCL5997  
**Brand:** SIGMA  
**CAS Number:** 51707-55-2  
**Formula:** C<sub>9</sub>H<sub>8</sub>N<sub>4</sub>OS  
**Formula Weight:** 220,25 g/mol  
**Quality Release Date:** 11 JUN 2024



Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder	Powder
Purity (HPLC)	≥ 98.0 %	99.0 %
Solubility (Color)	Colorless to Faint Yellow	Almost Colorless
Solubility (Turbidity)	Clear	Clear
50 mg/ml DMSO		
Carbon Content	47.8 - 50.3 %	49.1 %
Nitrogen Content	24.8 - 26.1 %	25.4 %
Infrared Spectrum	Conforms to Structure	Conforms
Plant Cell Culture Test	Pass	Pass



Dr. Reinhold Schwenninger  
Quality Assurance  
Buchs, Switzerland CH

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.

