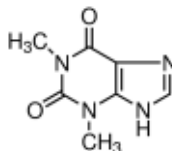


## Certificate of Analysis

Product Name:

Theophylline - anhydrous, ≥99%, powder

**Product Number:** T1633  
**Batch Number:** MKCZ2554  
**Brand:** SIGMA  
**CAS Number:** 58-55-9  
**MDL Number:** MFCD00079619  
**Formula:** C<sub>7</sub>H<sub>8</sub>N<sub>4</sub>O<sub>2</sub>  
**Formula Weight:** 180.16 g/mol  
**Quality Release Date:** 24 JUL 2025  
**Recommended Retest Date:** JUL 2027



Test	Specification	Result
Appearance (Color)	White to Off-White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
50 mg/ml, 1 M NH <sub>4</sub> OH		
Loss on Drying	≤ 0.5 %	< 0.1 %
Infrared Spectrum	Conforms to Structure	Conforms
Purity (HPLC)	≥ 99 %	100 %
Recommended Retest Period	-----	-----
2 Years		

Larry Coers, Director  
Quality Control  
Milwaukee, WI US

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.

