

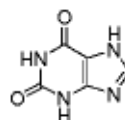
3050 Spruce Street, Saint Louis, MO 63103, USA

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

## Product Specification

Product Name:  
Xanthine - ≥99%

Product Number: **X7375**  
CAS Number: 69-89-6  
MDL: MFCD00078453  
Formula: C<sub>5</sub>H<sub>4</sub>N<sub>4</sub>O<sub>2</sub>  
Formula Weight: 152.11 g/mol



### TEST

### Specification

Appearance (Color)	White to Off White
Appearance (Form)	Powder
Solubility (Color)	Very Faint Yellow to Light Yellow and Very Faint Green-Yellow to Light Green-Yellow
Solubility (Turbidity)	Clear to Slightly Hazy
50 mg/mL, 1 M NaOH	
EMM	8.70 - 9.40
0.1 M Carbonate buffer at pH 10.0	
Wavelength	277 - 278 nm
Lambda Max	
Purity (HPLC)	≥ 99 %

Specification: PRD.3.ZQ5.10000011403

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.