3050 Spruce Street, Saint Louis, MO 63103, USA

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Certificate of Analysis

Product Name: Tartrazine Dye content ≥85 %

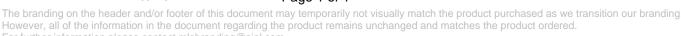
Product Number: T0388-500G Batch Number: 0000234645 Source Batch: SHBQ2748 CAS Number: 1934-21-0 Molecular Formula: C₁₆H₉N₄Na₃O₉S₂

Formula Weight: 534.36 Recommended Retest Date: Nov 2026 09 DEC 2022 Quality Release Date:

Test	Specification	Result	
Appearance (Color)	Orange	Orange	
Appearance (Form)	Powder	Powder	
Solubility (Color)	Yellow to Yellow-Orange	Yellow-Orange	
Solubility (Turbidity)	Clear	Clear	
10 mg/mL, H2O			
Infrared Spectrum	Conforms to Structure	Conforms	
Carbon	30.6 - 36.5 %	32.3 %	
Nitrogen	8.9 - 10.8 %	9.5 %	
Dye Content Calculated	≥ 85	90	
Dye Content			
E1%	435 - 500	460	
in H2O			
Wavelength	425 - 429 nm	427 nm	
Recommended Retest Period			
4 Years			

Larry Coers, Director **Quality Control** Milwaukee, WI

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. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale.





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