

Certificate of Analysis

Product Name : Tartrazine Dye content $\geq 85\%$
Product Number : T0388-500G
Batch Number : 0000234645
 Source Batch : SHBQ2748
 CAS Number : 1934-21-0
 Molecular Formula : $C_{16}H_9N_4Na_3O_9S_2$
 Formula Weight : 534.36
 Recommended Retest Date : Nov 2026
 Quality Release Date : 09 DEC 2022

Test	Specification	Result
Appearance (Color)	Orange	Orange
Appearance (Form)	Powder	Powder
Solubility (Color)	Yellow to Yellow-Orange	Yellow-Orange
Solubility (Turbidity) 10 mg/mL, H ₂ O	Clear	Clear
Infrared Spectrum	Conforms to Structure	Conforms
Carbon	30.6 - 36.5 %	32.3 %
Nitrogen	8.9 - 10.8 %	9.5 %
Dye Content Calculated Dye Content	≥ 85	90
E1% in H ₂ O	435 - 500	460
Wavelength	425 - 429 nm	427 nm
Recommended Retest Period 4 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. 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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