

## Certificate of Analysis

Date of Testing: 2023-07-19 11:21:33  
Date of Next Testing: 2027-07-18 11:21:33  
Product Name: **Nitrazine yellow**  
CAS Number: 5423-07-4  
Specifications & Purity: Indicator  
Lot #: G2312908  
SKU #: **N105017**  
**Analysis: 237674**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	29.7-41.1 (%)	30.96 %
Nitrogen by Elemental Analysis	8.6-12 (%)	8.99 %
Extinction Coefficient(c = 0.01 g/l; 0.1N NAOH)(587 - 591nm)	≥35000	37205.90
Appearance (N105017)	Brown to Very Dark Brown Powder	Brown to Very Dark Brown Powder
PH Transition interval,5.0(yellow)~7.2(Purple)	Conforms	Conforms
Solubility in H2O , Yellow-Brown to Red-Brown to Brown, Clear, 1mg/ml	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



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QA & QC Manager