

## Certificate of Analysis

Date of Testing: 2024-06-18 19:02:18

Date of Next Testing: 2028-06-17 19:02:18

Product Name: **Tartrazine**

CAS Number: 1934-21-0

Specifications & Purity:  $\geq 85\%$

Lot #: F2411054

SKU #: **T102059**

Version: **0**

Analysis #: **075034**

Storage Temperature: Argon charged

| Parameter                                                               | Limit Values          | Result                |
|-------------------------------------------------------------------------|-----------------------|-----------------------|
| Carbon by Elemental Analysis                                            | 30.6-36.5 (%)         | 31.01 %               |
| Dye Content                                                             | 85-100 (%)            | 95.48 %               |
| Nitrogen by Elemental Analysis                                          | 8.9-10.8 (%)          | 8.91 %                |
| Appearance (T102059)                                                    | orange powder         | orange powder         |
| Infrared spectrum                                                       | Conforms to Structure | Conforms to Structure |
| Proton NMR spectrum                                                     | Conforms to Structure | Conforms to Structure |
| Solubility in H <sub>2</sub> O , Yellow to Yellow-Orange,Clear,10 mg/ml | pass                  | Pass                  |



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