

**DYNEMIC**  
PRODUCTS LTD.**CERTIFICATE OF ANALYSIS**

Product Name : **SUNSET YELLOW**  
Synonyms : Orange Yellow 5  
Chemical Name : Disodium 2-hydroxy-1-(4-sulfonatophenylazo)  
naphthalene-6-sulfonate

C.I. No. : 15985  
C.I. Name : Food Yellow 3  
FD & C No. : Yellow # 6  
CAS No. : 2783-94-0  
EINECS No. : 220-491-7  
E. NO. : E110

REPORT NO. : **96**  
NAME OF PARTY : **Sana Tarim Ve Gida Limited Sirketi.**  
LOT NO. : **SY-2324/96**  
QUANTITY : **1500.00 Kgs.**  
REF NO. : **-**

DATE : **05/01/24**  
MFG. DATE : **28/Dec/23**  
EXP. DATE : **27/Dec/28**

| SR. NO. | TEST                                                                                                                                                                                                                                                                                                                            | LIMITS | RESULTS |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| 1.      | Total colouring matters calculated as the sodium salt, percent by mass MIN.                                                                                                                                                                                                                                                     | 85.00  | 88.30   |
| 2.      | Water insoluble matter, percent by mass MAX.                                                                                                                                                                                                                                                                                    | 00.20  | 0.038   |
| 3.      | Combined ether extract, percent by mass, MAX.                                                                                                                                                                                                                                                                                   | 00.20  | 0.025   |
| 4.      | Unulfonated Primary aromatic amines, percent by mass (calculated as aniline), MAX.                                                                                                                                                                                                                                              | 00.01  | 0.0068  |
| 5.      | Subsidiary dyes, percent by mass, MAX.                                                                                                                                                                                                                                                                                          | 05.00  | 0.56    |
| 6.      | Total organic compound other than coloring matter, percent by mass, MAX.<br>4-aminobenzene-1-sulfonic acid<br>3-hydroxynaphthalene-2,7-disulfonic acid<br>6-hydroxynaphthalene-2-sulfonic acid<br>7-hydroxynaphthalene-1,3-disulfonic acid<br>4,4_-diazoaminodi(benzene sulfonic acid<br>6,6_-oxydi(naphthalene-2-sulfonic acid | 00.50  | 0.24    |
| 7.      | Total Heavy Metal as Lead (mg/kg.) MAX                                                                                                                                                                                                                                                                                          | 40.00  | <40.00  |
| 8.      | 1-(Phenylazo)-2-naphthalenol(SudanI) (mg/kg)                                                                                                                                                                                                                                                                                    | 00.50  | <00.50  |
| 9.      | Arsenic, (mg/kg.) MAX.                                                                                                                                                                                                                                                                                                          | 03.00  | <03.00  |
| 10.     | Lead, (mg/kg.) MAX.                                                                                                                                                                                                                                                                                                             | 02.00  | <02.00  |
| 11.     | Mercury, (mg/kg.) MAX.                                                                                                                                                                                                                                                                                                          | 01.00  | <01.00  |
| 12.     | Cadmium, (mg/kg.) MAX.                                                                                                                                                                                                                                                                                                          | 01.00  | <01.00  |

**Prepared By**  
Lab Chemist  
C.B.Patel

**Approved By**  
Q. A. Incharge / Director  
T.V.Khengar