



NEELIKON FOOD DYES AND CHEMICALS LTD.
An ISO 9001, FSSC 22000 & GMP Certified Company
Regd. Office:- D-8, Everest, 5th Floor, Pandit Madan Mohan Malviya
Marg, Tardeo, Mumbai 400 034. INDIA.
Tel : +91-22-66661415, E-Mail : info@neelikon.com

Issue No.: 01	Date of Issue: 01/01/2018	Rev. No.: 04	Date of Rev.: 15/04/2022 Due Date of Rev.: 14/04/2025	Page 1 of 1
Dept. : Quality Control		Title : Finished Product Specification		Doc. No.: NFDCL/SPC/QC/BC-340

PRODUCT SPECIFICATION PRODUCT NO. : 087P1700

PRODUCT : YELLOW IRON OXIDE / LAVANYA SOORAJ

EMPIRICAL FORMULA	: FeO (OH).xH ₂ O	CAS NO	: 51274-00-1
EC STATUS	: E 172	EINECS NO	: 257-098-5
C.I. NO	: 77492	INCI NO	: CI 77492
C.I. NAME	: PIGMENT YELLOW 42 AND 43		

DESCRIPTION
PHYSICAL APPEARANCE : YELLOW POWDER
HUE IN WATER : INSOLUBLE IN WATER
WAVELENGTH OF MAX ABSORBANCE : N/A
ABSORPTIVITY g.cm / 100ml : N/A
SOLUBILITY : INSOLUBLE IN WATER AND IN ORGANIC SOLVENTS.
DISSOLVE IN HCL UPON WARMING. A SMALL OF AMOUNT
OF RESIDUE USUALLY REMAINING

SPECIFICATION

SR. NO.	TEST	LIMIT	SPECIFICATION
1.	IDENTIFICATION	--	CONFIRM TO USP MONOGRAPH
2.	SOLUBILITY	--	INSOLUBLE IN WATER AND IN ORGANIC SOLVENTS. SOLUBLE IN CONCENTRATED MINERAL ACIDS
3.	ASSAY CONTENT (AS Fe)	% W/W	MINIMUM 60.00
4.	ASSAY CONTENT (AS Fe ₂ O ₃ CALCULATED ON IGNITED BASIS)	% W/W	MINIMUM 97 TO 100.50
5.	WATER SOLUBLE SUBSTANCES	% W/W	MAXIMUM 01.00
6.	ACID INSOLUBLE SUBSTANCES	% W/W	MAXIMUM 00.30
7.	LOSS ON IGNITION	% W/W	MAXIMUM 13.00
8.	pH of 2% SUSPENSION	--	5 – 7.5
9.	ORGANIC COLORS AND LAKES	--	NO PEAK, ABOVE THE NOISE LEVEL, WITH A SLOPE GREATER THAN +0.001 ABSORBANCE UNIT PER NM SHOULD BE FOUND.
10.	ARSENIC	MG/KG	MAXIMUM 03.00
11.	CADMIUM	MG/KG	MAXIMUM 01.00
12.	CHROMIUM	MG/KG	MAXIMUM 100.0
13.	COPPER	MG/KG	MAXIMUM 50.00
14.	LEAD	MG/KG	MAXIMUM 05.00
15.	MERCURY	MG/KG	MAXIMUM 01.00
16.	NICKEL	MG/KG	MAXIMUM 200.0
17.	ZINC	MG/KG	MAXIMUM 100.0
18.	ANTIMONY	MG/KG	MAXIMUM 05.00
19.	SELENIUM	MG/KG	MAXIMUM 01.00

THIS MATERIAL CONFORMS TO THE JECFA, CFR (TITLE 21, PART- 73), EU NO. 231/2012, EC 1223/2009, CHINESE, FSSAI, IS 4707 & USP REGULATIONS.

SHELF LIFE : 8 YEARS
STORAGE CONDITION: “STORE IN AN AMBIENT TEMPERATURE & DRY PLACE”

One World One Quality - products are High Purity Colours with low impurities which will meet appropriate legislation of JECFA, USA, Europe, Japan, China and India where applicable. Neelikon realizes that it is serving an ever - changing marketplace, therefore legislation and new development may cause the information contained herein to require updating. We therefore request clients to re-check with their appropriate legislative authorities before using any of our products in their intended application, or you may write to us at our technical service department at Mumbai - India.

Prepared By	Approved By	Issued By	Status
Q.C. Head	QA & QC Head	Management Representative	