



NEELIKON FOOD DYES AND CHEMICALS LTD.

An ISO 9001, FSSC 22000 & GMP Certified Company

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Dept. : Quality Control		Title : Finished Product Specification		Doc. No.: NFDCL/SPC/QC/BC-353

PRODUCT SPECIFICATION

PRODUCT NO. : 098P1700

PRODUCT : TITANIUM DIOXIDE / LAVANYA CHAANDNI

EMPIRICAL FORMULA	: TiO ₂	CAS NO	: 13463-67-7
C.I. NO	: 77891	EINECS NO	: 236-675-5
EC STATUS	: E 171	INCI NO	: CI 77891
C.I. NAME	: PIGMENT WHITE 6		

DESCRIPTION

PHYSICAL APPEARANCE	: BRIGHT WHITE COLOURED 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. DISSOLVES SLOWLY IN HYDROFLUORIC ACID & IN HOT CONCENTRATED SULFURIC ACID

SPECIFICATION

SR. NO.	TEST	UNIT	LIMIT	SPECIFICATION
1.	ASSAY CONTENT [AFTER DRYING FOR 3 HRS AT 105°C]	% W/W	MINIMUM	99.00
2.	LOSS ON DRYING AT 105°C FOR 3 HRS	% W/W	MAXIMUM	00.50
3.	LOSS ON IGNITION [On Volatile matter free basis 800°C]	% W/W	MAXIMUM	00.50
4.	ALUMINIUM OXIDE / OR SILICON DIOXIDE	% W/W	MAXIMUM	02.00
5.	MATTER SOLUBLE IN 0.5 N HCL	% W/W	MAXIMUM	00.50
6.	WATER SOLUBLE MATTER	% W/W	MAXIMUM	00.25
7.	ORGANIC VOLATILE IMPURITIES	--	--	To Pass Test
8.	CADMIUM	MG/KG	MAXIMUM	01.00
9.	ANTIMONY	MG/KG	MAXIMUM	02.00
10.	ARSENIC	MG/KG	MAXIMUM	01.00
11.	LEAD	MG/KG	MAXIMUM	10.00
12.	MERCURY	MG/KG	MAXIMUM	01.00
13.	ZINC	MG/KG	MAXIMUM	50.00
14.	BARIUM	MG/KG	MAXIMUM	25.00
15.	CHROMIUM	MG/KG	MAXIMUM	10.00
16.	COPPER	MG/KG	MAXIMUM	50.00
17.	NICKEL	MG/KG	MAXIMUM	02.00
18.	SELENIUM	MG/KG	MAXIMUM	50.00
19.	COBALT	MG/KG	MAXIMUM	05.00

THIS MATERIAL CONFORMS TO THE JECFA, CFR (TITLE 21, PART- 73), JAPANESE, 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	