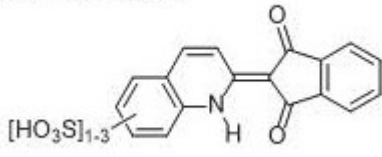



TECHNICAL DATA SHEET

Identification:

a) Product name	: D & C Yellow 10 Lake / Lavanya Mimosa 20 – 25%
b) Available Form	: Powder
c) Synonyms	: Pigment Yellow 115 Lake
d) Chemical Name	: Aluminum,2-(1,3-dihydro-1,3-dioxo-2H-inden-2-ylidene)-1,2-dihydro-6,7-quinolinedisulfonate complexes
e) Color Index No.	: 47005 : 1
f) Color Index Name	: Pigment Yellow 115 Lake
g) E No.	: Not Applicable
h) CAS No.	: 94891-32-4
i) EINES No.	: 305-632-3
j) INCI Name	: CI 47005 : 1
k) Country of Origin	: India
l) Origin	: Synthetic
m) Wavelength of Max Absorbance	: @ 412 nm
n) Absorptivity g.cm / 100 ml	: 960
o) Chemical Structure	Aluminium salt of 
p) Chemical Formula	: Unspecified
q) Molecular Weight	: Unspecified
r) Typical Hue	

Compositions:

Component	CAS Number	% W/W Content
D & C Yellow 10	84864-68-6	20 - 25
Aluminium Hydroxide	21645 -51-2	56 - 61
Water in the form of Moisture	7732-18-5	17.00, maximum
Sodium Chloride & Sulphate (As Sodium Salt)	7647-14-5 & 7757-82-6	02.00, maximum

AWARDS

Regulations:

This colorant meets specification of:

- a) CFR - Code of Federal Regulations Title 21, Part- 82.
- b) Japanese regulations.
- c) Chinese Standards for Cosmetic Products.

Properties:

Physical Appearance	pH of 2% Slurry	Solution Tone	Bulk Density [G/CC]	Particle Size (Micron)
Yellow Powder	4 – 5.5	Not Applicable	0.2 – 0.5	< 7

Solubility:

Water	Ethanol (100%)	Ethanol (25%)	Ethyl Acetate	Acetone	IPA (Isopropanol)	n- Butanol	N-Butyl Acetate	Glycerol	Propylene Glycol
Insoluble	Slightly Soluble	Slightly Soluble	<0.1%	<0.1%	Slightly Soluble	Insoluble	Insoluble	Disperse <0.1%	Disperse <0.1%

Vegetable Oil	Light Liquid Paraffin Oil (LLP)	3:1, Methanol : n-Butanol	Sorbitol	Iso Propyl Maristate (IPM)	Silicon Oil	Castor Oil
Slightly Soluble	Insoluble	< 0.10%	Disperse <0.1%	< 0.10%	Insoluble	Disperse <0.1%

Stability :

a) pH	: 4 – 5.5
b) Heat	: Color is stable up to 150°C
c) Light Fastness	: 5

Note:- Stability to light fastness is measured on the scale of 1 to 8 by considering Excellent= 8 , Very Good=7, Good = 6, Moderate = 5, Very Fair = 4, Fair = 3, Poor = 2, Very poor = 1

Applications :

Mainly use in Drugs & Cosmetic products.

Refer product brochure for more details.

Technical Data Sheet

Typical guideline for use :

D & C Yellow 10 Al Lake is insoluble & in most organic solvents but soluble in Acid & Alkali medium.

It gives coloration through Dispersion. For coloration this product, first pre-disperse in any suitable medium (like propylene glycol, glycerol any convenient medium which is compatible to final product). This dispersion is then used for the coloration of final product.

Typical Impurity Profile:

Sr. No.	Test	Unit	Limit	Specification
1.	HCL INSOLUBLE MATTER	%W/W	MAXIMUM	00.50
2.	BLEEDING (2 % SLURRY IN DISTILLED WATER)	%W/W	MAXIMUM	0.10
3.	PHTHALIC ACID	%W/W	MAXIMUM	00.10
4.	SULFONATED QUINALDINE	%W/W	MAXIMUM	00.10
5.	ARSENIC	MG/KG	MAXIMUM	02.00
6.	LEAD	MG/KG	MAXIMUM	10.00
7.	MERCURY	MG/KG	MAXIMUM	01.00
8.	CADMIUM	MG/KG	MAXIMUM	01.00
9.	ANTIMONY	MG/KG	MAXIMUM	10.00
10.	COPPER	MG/KG	MAXIMUM	25.00
11.	CHROMIUM	MG/KG	MAXIMUM	25.00
12.	ZINC	MG/KG	MAXIMUM	25.00
13.	BARIUM	MG/KG	MAXIMUM	25.00
14.	MICROBIOLOGICAL SPECIFICATION	--	--	--
a.	TOTAL VIABLE BACTERIAL COUNT	CFU/GM	MAXIMUM	500
b.	TOTAL FUNGI (YEAST& MOULDS) COUNT	CFU/GM	MAXIMUM	70
c.	TEST FOR PRESENCE OF <i>Staphylococcus aureus</i>	--	--	Absent / 1 gm
d.	TEST FOR PRESENCE OF <i>E.coli</i>	--	--	Absent / 1 gm
e.	TEST FOR PRESENCE OF <i>Salmonella</i>	--	--	Absent / 10 gm
f.	TEST FOR PRESENCE OF <i>Pseudomonas aeruginosa</i>	--	--	Absent / 1 gm

Typical Packing :

As a standard packaging we fill 12.5 Kg product in HDPE drum containing food grade LDPE bag as a primary packaging. The bag is seal with red colour one time use plastic bag locking seal. The drum is seal with red colour plastic drum seal.

Apart from that we can pack the product as per customer's requirement.

Storage & Handling:

Product "Store at an ambient Temperature & dry place" & Keep container tightly sealed & closed in condition after using. For more information refer Material Data Sheet.

Shelf Life: 8 Years

Technical Data Sheet

Certifications:

FSSC 22000	ISO 9001	GMP	HALAL – Indonesia	HALAL – India	Kosher
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Declarations:

❖ GMO Free	❖ TSE/BSE Free	❖ Allergen Free	❖ Nitrosamines Free	❖ Suitable for Vegan & Vegetarian
❖ Pesticides Free	❖ Melamine Free	❖ Alcohol Free	❖ Irradiation Free	❖ No content of VOC (Volatile Organic Compounds)
❖ No Plant Tissue	❖ Paraben Free	❖ Genotoxic Free	❖ Aflatoxin Free	❖ No Preservatives
❖ No Animal Tissue	❖ No CMR	❖ Dioxin Free	❖ Gluten Free	❖ No Residual Solvent
❖ No Additives	❖ No Animal Testing (Cruelty Free)	❖ Latex Free	❖	❖ No technology of Nano Particles

Guarantee :

Neelikon is committed to supply you best quality product, meeting legislative and statutory requirements by adopting good manufacturing practices consistently.

We hope you will be satisfied with our quality and services. We thank you for your valued support.



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Issued on: Nov-2020

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