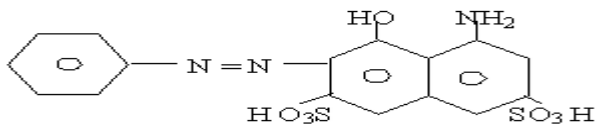



TECHNICAL DATA SHEET

Identification:

a) Product name	: D & C Red 33 Lake / Lavanya Lilliput 18 – 25%
b) Available Form	: Powder
c) Synonyms	: Food Red 12:1 Lake
d) Chemical Name	: Tris[5-amino-4-hydroxy-3-(phenylazo)naphthalene-2,7- disulphonato(2-)]dialuminium
e) Color Index No.	: 17200
f) Color Index Name	: Food Red 12:1 Lake
g) E No.	: Not Applicable
h) CAS No.	: 68475-50-3
i) EINES No.	: 270-648-9
j) INCI Name	: CI 17200
k) Country of Origin	: India
l) Origin	: Synthetic
m) Wavelength of Max Absorbance	: @ 530
n) Absorptivity g.cm / 100 ml	: 662
o) Chemical Structure	<p>Aluminium Salt of</p> 
p) Chemical Formula	: C48H33Al2N9O21S6
q) Molecular Weight	: 1318 g/mole
r) Typical Hue	

Compositions:

Component	CAS Number	% W/W Content
D & C Red 33	3567-66- 6	18 - 25
Aluminium Hydroxide	21645 -51-2	56 - 63
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- 74.
- b) Indian Standard [IS 4707] for cosmetic products.
- c) European Cosmetic Directive (EC) No 1223/2009 of the council of 30 November 2009.
- d) Japanese regulations.
- e) Chinese Standards for Cosmetic Products.

Properties:

Physical Appearance	pH of 1% Solution	Solution Tone	Bulk Density [G/CC]	Particle Size (Micron)
Red 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	< 0.10%	<0.10%	Insoluble	Slightly Soluble	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
Insoluble	Insoluble	< 0.10%	Disperse <0.10%	Insoluble	Insoluble	Disperse <0.1%

Stability :

a) pH	: Stable at pH- 3.5 to 5.5
b) Heat	: Color is stable up to 100°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.

Certified for use in by US FDA -

3% in Lipstick and 0.75 mg per daily dose in other ingested drugs (all by weight of the finished product). Dentrifices, mouthwashes and externally applied Drugs & Cosmetics consistent with Good Manufacturing Practices.

Refer product brochure for more details.

Typical guideline for use :

D & C Red 33 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.	H-ACID	%W/W	MAXIMUM	00.20
3.	LEAD	MG/KG	MAXIMUM	10.00
4.	MERCURY	MG/KG	MAXIMUM	01.00
5.	ARSENIC	MG/KG	MAXIMUM	02.00
6.	CADMIUM	MG/KG	MAXIMUM	01.00
7.	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 Safety Data Sheet.

Shelf Life: 8 Years

Certifications:

FSSC 22000

ISO 9001

GMP

HALAL – MUI Indonesia

HALAL – JUHF India

Kosher (Star K)

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.

all COLOUR Pty Ltd supplies
 Australian owned and operated since 1989
 ABN 48 134 605 333

Customer Care Team

- 46 Williamson Road, Ingleburn NSW 2565, Australia
 PO Box 130, Panania NSW 2213, Australia
- T 1300 138 203
 INT +61 2 8776 8570
- sales@allcoloursupplies.com.au
- www.allcoloursupplies.com.au

COVID-SAFE
 FDA REGISTERED
 US FDA Registration Number: 18913449132
 Certified System
 Quality ISO 9001
 Environment ISO 14001
 Food Safety CODEX HACCP
 SAL GLOBAL

Issued on: Nov-2020

Shades depicted are for reference only. Clients are advised to check samples for shade matching. Neelikon realizes that we are serving an ever-changing marketplace. In this scenario changes in legislation may cause the information contained herein requires updating. We therefore request clients to re-check with their appropriate legislative authorities before using any of our products in their intended application. Although based on our general experience, the information presented herein is believed to be reliable, Neelikon makes no representation or guarantee as to the accuracy, completeness or reliability of the information. Due to various factors that are outside our control, we cannot accept liability from reliance on this information for any circumstances.

- This is a computer generated report and hence no signature is required to validate.