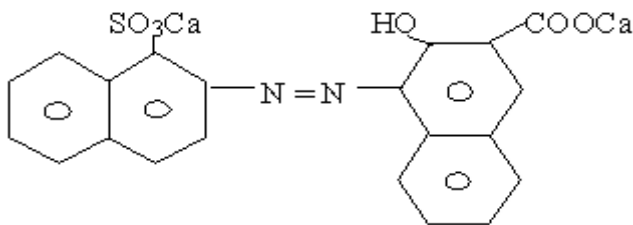



TECHNICAL DATA SHEET

Identification:

a) Product name	: D & C Red 34 Lake / Lavanya Donna 83 -93%
b) Available Form	: Powder
c) Synonyms	: Pigment Red 63 : 1
d) Chemical Name	: Calcium 3-hydroxy-4-[(1-sulphonato-2-naphthyl)azo]-2-naphthoate
e) Color Index No.	: 15880 : 1
f) Color Index Name	: Pigment Red 63 : 1
g) E No.	: Not Applicable
h) CAS No.	: 6417-83-0
i) EINES No.	: 229-142-3
j) INCI Name	: CI 15880 : 1
k) Country of Origin	: India
l) Origin	: Synthetic
m) Wavelength of Max Absorbance	: @ 526 ± 4 nm
n) Absorptivity g.cm / 100 ml	: 655
o) Chemical Structure	
p) Chemical Formula	: C ₂₁ H ₁₄ N ₂ O ₆ S.Ca
q) Molecular Weight	: 462.5 g/mole
r) Typical Hue	

Compositions:

Component	CAS Number	% W/W Content
D & C Red 34	6417-83-0	83 - 93
Calcium Sulphate	7778-18-9	00 - 04
Water (Moisture)	7732-18-5	04 - 10
Sodium Chloride & Sulphate (As Sodium Salt)	7647-14-5 & 7757-82-6	03.00, maximum

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)
Bluish Red Powder	6 to 8	Not applicable	0.20 to 0.50	< 7

Solubility:

Water	Ethanol (100%)	Ethanol (25%)	Methanol	Ethyl Acetate	Acetone	IPA (Isopropanol)	N-Butyl Acetate
Insoluble	Insoluble	Insoluble	< 0.10%	Insoluble	Insoluble	< 0.10%	Insoluble

Glycerol	Propylene Glycol	Vegetable Oil	Light Liquid Paraffin Oil (LLP)	Sorbitol	Iso Propyl Myristate (IPM)	Silicon Oil
< 0.10%	Disperse <0.1%	Insoluble	Insoluble	Disperse <0.1%	Insoluble	Insoluble

Stability :

a) pH	: Stable at pH- 2 to 12
b) Heat	: Color is stable up to 200°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.

Certified for use in by US FDA - Drugs and cosmetics --- consistent with GMP.

Refer product brochure for more details.

Typical guideline for use :

D & C Red 34 Lake is insoluble in water.

It gives coloration through Dispersion. First disperse in suitable media by using high speed stirrer or triple roll mill. This dispersion is then used for the coloration of final product.

Refer product brochure for more details.

Typical Impurity Profile:

Sr. No.	Test	Unit	Limit	Specification
1	SUBSIDIARY COLOURS	% W/W	MAXIMUM	04.00
2	INTERMEDIATES	% W/W	MAXIMUM	00.20
3	LEAD	MG/KG	MAXIMUM	10.00
4	MERCURY	MG/KG	MAXIMUM	01.00
6	ARSENIC	MG/KG	MAXIMUM	02.00
7	CADMIUM	MG/KG	MAXIMUM	01.00
8	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
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)
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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

Technical Data Sheet

Certifications:

FSSC 22000	ISO 9001	GMP	HALAL – MUI Indonesia	HALAL – JUHF India	Kosher (Star K)
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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.



all COLOURS Pty Ltd
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COVID-SAFE
FDA REGISTERED
US FDA Registration Number: 18913449132
Certified System
Quality ISO 9001
Environment ISO 14001
Food Safety HACCP

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.

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