


## TECHNICAL DATA SHEET

### Identification:

a) Product name	: Neelilake Brown HT Lake 20 -30%
b) Available Form	: Powder
c) Synonyms	: Food Brown 3:1 Lake
d) Chemical Name	: Dialuminium 4,4'(2.4 dihydroxy 5 hydroxymethyl 1 3 phenylene bisazo) di (naphthalene 1 sulfonate)
e) Color Index No.	: 20285 : 1
f) Color Index Name	: Food Brown 3:1
g) E No.	: E 155
h) CAS No.	: Not Available
i) EINES No.	: Not Available
j) INCI Name	: CI 20285 : 1
k) Country of Origin	: India
l) Origin	: Synthetic
m) Wavelength of Max Absorbance	: @ 460 ± 4 nm
n) Absorptivity g.cm / 100 ml	: 403
o) Chemical Structure	: Not Available
p) Chemical Formula	: C <sub>27</sub> H <sub>18</sub> N <sub>4</sub> O <sub>9</sub> S <sub>2</sub> Al <sub>2</sub>
q) Molecular Weight	: 660.56 g/mole
r) Typical Hue	

### Compositions:

Component	CAS Number	% W/W Content
Brown HT	4553 - 89 - 3	20 - 30
Aluminium Hydroxide	21645 -51-2	51 - 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

## Technical Data Sheet

### Regulations:

This colorant meets specification of:

- Indian Cosmetic standard IS 4707.
- European Food Directive (EU) No 231/2012 of 9 March 2012 for use in Food product.
- Joint FAO/WHO Expert Committee on Food Additives (JECFA).

### Properties:

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

### Solubility:

Water	Ethanol (25%)	Propylene Glycol	Vegetable Oil	Glycerine	Sorbitol
Insoluble	Slightly Soluble	Disperse <0.1%	Insoluble	Disperse <0.1%	Disperse <0.1%

### Stability :

a) pH	: 3.5 – 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 Food & Cosmetic products.

Refer product brochure for more details.

### Typical guideline for use :

Brown HT 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 DEIONIZED WATER)	%W/W	MAXIMUM	00.10
3.	ETHER EXTRACTABLE MATTER	%W/W	MAXIMUM	00.20
4.	SUBSIDIARY COLOURS	%W/W	MAXIMUM	10.00
5.	UNSULPHONATED AROMATIC AMINES	%W/W	MAXIMUM	00.01
6.	ORGANIC COMPOUNDS OTHER THAN COLOURING MATTERS	%W/W	MAXIMUM	00.70
7.	ARSENIC	MG/KG	MAXIMUM	01.00
8.	LEAD	MG/KG	MAXIMUM	02.00
9.	MERCURY	MG/KG	MAXIMUM	01.00
10.	CADMIUM	MG/KG	MAXIMUM	01.00
11.	ANTIMONY	MG/KG	MAXIMUM	10.00
12.	COPPER	MG/KG	MAXIMUM	25.00
13.	CHROMIUM	MG/KG	MAXIMUM	25.00
14.	ZINC	MG/KG	MAXIMUM	25.00
15.	BARIUM	MG/KG	MAXIMUM	25.00
17.	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 – 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.



ABN 48 134 605 333  
Australian owned and operated since 1989

### 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





The information in this e-mail message and any attached files may be confidential and may contain copyright material of All Colours Supplies Pty Ltd or third parties. Any unauthorized use, disclosure or copying of this e-mail and/or its attachments is prohibited. If you have received this email in error please notify the sender immediately by return e-mail and delete all copies of this message and attachments. Before opening or using attached documents please check them for viruses or defects. Our liability is limited to our supplying the goods and attached files. Content and views expressed in this e-mail may be those of the sender and are not necessarily endorsed by All Colours Supplies Pty Ltd.

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.