


**TECHNICAL DATA SHEET**

Date : 01.09.2024

REACH Status : Registered

Revision : 05

**Product Description**

C.I Generic Name	PIGMENT BLUE 15:3	NPPL Product Code	Navfast Blue 9143
C.I No.	74160	CAS No.	147-14-8
EINECS No.	205-685-1	Chemical Type	Phthalocyanine Beta Blue
Molecular Formula	C32H16CuN8	Molecular Weight	576
Chemical Name: Copper,[29H-phthalocyanineato(2-)-N29,N30,N31,N32]-,(SP-4-1)-			

**Physical Properties**

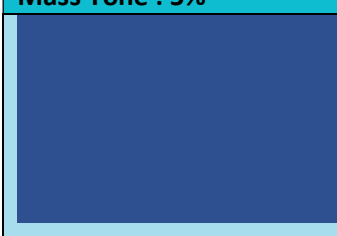
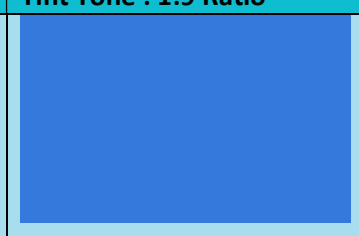
Sieve Residue (PPM) Max.	500
Oil Absorption (%)	45-55
Bulk Density (gms/cc)	0.30 -0.45
Water Soluble Matter (%)	< 1
Moisture Content (%) Max.	1
Conductivity $\mu$ S/CM (max)	500
PH Value	6.0 – 9.0

**Fastness properties**

Heat °C	Mass Tone	200°C - 280°C / 5 min
Heat °C	Tint Tone	200°C - 280°C / 5 min
Light	Mass Tone	8
Light	Tint Tone	8
Weather	Mass Tone	5
Weather	Tint Tone	5
Migration		5

**Application**

Water Based Ink	Suitable
Textile	Suitable
Coating	Suitable
Plastics	Limited Suitability

**Mass Tone : 5%**

**Tint Tone : 1:9 Ratio**

**Specification**

Coloristic properties	Strength : $\pm 5\%$
Coloristic properties	DA,DB,DE,DC,DH,DL: $\pm 1$
Light fastness : Scale 1- 8	1~Poor & 8 ~ Excellent
Weather fastness : Scale 1- 5	1~Poor & 5 ~ Excellent
Solvent Fastness: Scale 1- 5	1~Poor & 5 ~ Excellent
Heat Stability °C	DE</=3 at Maximum Temp.

**Note:** The colors above have been generated electronically and should therefore not be used for comparison purposes. The colors are meant to give a first impression of the colorant shade.

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our Product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

ISO 9001 : 2015



ISO 14001 : 2015


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