



Ramdev

**CHEMICAL
INDUSTRIES**

BUREAU
VERITAS
Certification

ISO 14001:2004

Cert. No. IND10.5147



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MANUFACTURERS OF PHTHALOCYANINE PIGMENTS

GOVERNMENT RECOGNISED "STAR EXPORT HOUSE"



SPECIFICATION OF PHTHALOCYANINE BLUE (PIGMENT BLUE 15:3)

| | | |
|------------------------|---|---|
| 1 Product Name | : | Ramafast Blue WP/L-143 |
| 2 Chemical Name | : | Phthalocyanine Blue, Beta Modification |
| 3 Synonymous | : | Pigment Blue 15:3 |
| 4 Molecular Weight | : | 576 |
| 5 Chemical Formula | : | C ₃₂ H ₁₆ N ₈ Cu |
| 6 C.I. Number | : | 74160 |
| 7 CAS Number | : | 147-14-8 |
| 8 Bulk Density | : | 0.35 to 0.55 gm / cc |
| 9 Odor | : | Odorless |
| 10 Physical Appearance | : | Blue Powder |
| 11 Solubility In Water | : | Insoluble |
| 12 Specific Gravity | : | 1.5 – 1.6 |
| 13 PH of % Aq. Soln | : | 6.5 - 8.5 |
| 14 Particle Size | : | < 15 micron |
| 15 Heat Fastness | : | |
| 210° C For 10 Min. | : | Stable |
| 240° C For 5 Min. | : | Stable |
| 260° C For 5 Min. | : | Stable |
| 270° C For 5 Min. | : | Stable |
| 16 Hazardous Nature | : | Non – Hazardous |
| 17 Moisture Content | : | < 1 % |
| 18 Sieve Residue | : | 1000 PPM Max. |
| 19 Oil Absorption | : | 35 TO 45 cc / 100 gm of Pigment |
| 20 Light Fastness | : | (1=Very Poor, 8=Outstanding) |
| 5 % Shade | : | 5 |
| Full Shade | : | 7 - 8 |
| 21 Chemical Resistance | : | (1=Poor :5=Excellent) |
| Water | : | 5 |
| Soda Ash (5%) | : | 5 |
| | : | Linseed Oil : 5 |
| | : | Oleic Acid : 5 |
| | : | Plasticisers : 5 |