



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 AQ 141 |
| 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 | : | : |
| | 120° C For 30 Min. | : | Stable |
| | 150° C For 20 Min. | : | Stable |
| | 180° C For 20 Min. | : | Stable |
| | 210° C For 10 Min. | : | Stable |
| 16 | Hazardous Nature | : | Non – Hazardous |
| 17 | Moisture Content | : | < 1 % |
| 18 | Sieve Residue | : | 1000 PPM Max. |
| 19 | Oil Absorption | : | 30 TO 40 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 |