



ULTRAMARINE & PIGMENTS LTD.

BLUE DIVISION
Ambattur, Madras - 600 053.
India.

TECHNICAL DATA SHEET
NO. 001/08/94
ULTRAMARINE BLUE
TYPE 107

GENERAL INFORMATION :

- | | | |
|------------------------|---|----------------------------------|
| 1. IDENTITY | : | Sodium Aluminium Sulpho Silicate |
| 2. CAS NUMBER | : | 57455 - 37 - 5 |
| 3. COLOUR INDEX NUMBER | : | Pigment Blue 29 : 77007 |

COLOUR PROPERTIES :

(Blue reduced with five times its weight of Rutile Titanium Dioxide, drawn down and compared with its Batch Standard in CIELab Scale).

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|----------------------|--------|---|-------|------|
| 1. TINTING STRENGTH | (IN %) | : | + / - | 5.00 |
| 2. COLOUR DIFFERENCE | DL* | : | + / - | 0.50 |
| | DC* | : | + / - | 1.30 |
| | DH* | : | + / - | 1.00 |

OTHER PHYSICAL AND CHEMICAL PROPERTIES :

- | | | | |
|---|---|-------|-----------------|
| 1. SPECIFIC GRAVITY | : | 2.35 | (Approximately) |
| 2. OIL ABSORPTION (% BY WT) | : | 34.00 | to 35.00 |
| 3. MEDIAN PARTICLE DIAMETER | : | 1.80 | Microns |
| 4. RESIDUE ON 45 MICRONS
SIEVE (% BY WT) | : | 0.20 | Maximum |
| 5. FREE SULPHUR (% BY WT) | : | 0.05 | |

COLOUR FASTNESS PROPERTIES :

- | | | |
|--|---|------------------|
| 1. HEAT AT 350 DEG.C IN AIR | : | Stable |
| 2. LIGHT (DAY LIGHT AND
XENON LAMP) | : | Very good |
| IN MASS TONE | : | 7/8 on Woolscale |
| IN REDUCED TONE | : | 7/8 on Woolscale |
| 3. IN ACIDS | : | Poor |
| 4. IN ALKALIS | : | Good |

TOXICITY :

Least toxic and a safe pigment for industrial applications. It is ecologically non-hazardous and does not create any skin or eye irritation.

USAGE IN COSMETICS :

Conforms to regulations in most countries in the world.

Note : The information provided above is for general guidelines only and subject to change without notice. Ultramarine & Pigments Limited assumes no responsibility and users are advised to test the products for suitability prior to use on a commercial or production scale.