

TECHNICAL DATA SHEET :- ULTRAMARINE BLUE

Sl. No. : 187A / 01 / 11

Type : UPL 5125

 **ULTRAMARINE & PIGMENTS LTD.**
Pigments Division

GENERAL INFORMATION

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

COLOUR PROPERTIES

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

1. TINTING STRENGTH (IN %) : + / - 5.00
2. COLOUR DIFFERENCE DE* : 1.00 Unit Maximum
DL* : + / - 0.50 Unit
DA* : + / - 0.80 Unit
DB* : + / - 1.00 Unit

OTHER PHYSICAL AND CHEMICAL PROPERTIES

1. APPEARANCE : Blue Powder
2. TAP DENSITY (g/cc) : 0.50 - 0.80
3. SPECIFIC GRAVITY : 2.35 (Approximately)
4. MOISTURE CONTENT AT 105°C : 1.0 % Maximum
5. WATER SOLUBLE MATTER : 1.0 % Maximum
6. FREE SULPHUR (ppm By Wt.) : 200 Maximum
7. OIL ABSORPTION (% By Wt.) : 34.00 - 37.00
8. MEDIAN PARTICLE DIAMETER (µm) : 2.00 Maximum
9. RESIDUE ON 45 MICRONS SIEVE (% By Wt.) : NIL Maximum

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 Ltd.,** assumes no responsibility and users are advised to test the products for suitability prior to use on a commercial or production scale.

