

# TECHNICAL DATA SHEET :- ULTRAMARINE BLUE

Sl. No. : 080 / 08 / 99

Type : MOM BLUE

 **ULTRAMARINE & PIGMENTS LTD.**  
Pigments Division

## GENERAL INFORMATION

- IDENTITY : Sodium Alumino Sulpho Silicate
- CAS NUMBER : 57455 - 37 - 5
- 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.)

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

## OTHER PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE : Blue Powder
- TAP DENSITY (g/cc) : 0.50 - 0.80
- SPECIFIC GRAVITY : 2.35 (Approximately)
- MOISTURE CONTENT AT 105°C : 1.0 % Maximum
- WATER SOLUBLE MATTER : 1.0 % Maximum
- FREE SULPHUR (ppm By Wt.) : 1000 Maximum
- OIL ABSORPTION (% By Wt.) : 27.00 – 29.00
- MEDIAN PARTICLE DIAMETER (µm) : 5.50 Maximum
- RESIDUE ON 45 MICRONS SIEVE (% By Wt.) : 1.00 Maximum

## COLOUR FASTNESS PROPERTIES

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

