TECHNICAL DATA SHEET :- ULTRAMARINE BLUE

SI. No.:

080 / 08 / 99

Type:

MOM BLUE

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* DL* 1.00 Unit Maximum +/-0.50 Unit

DA*

+/-0.80 Unit

+/-1.00 Unit

DB*

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.)

1000 Maximum

7. OIL ABSORPTION (% By Wt.)

27.00 - 29.00

8. MEDIAN PARTICLE DIAMETER (µm)

Maximum 5.50

9. RESIDUE ON 45 MICRONS SIEVE (% By Wt.) :

1.00 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 Poor

3. IN ACIDS 4. IN ALKALIS

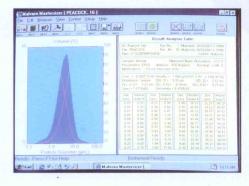
Good

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.