



**GENERAL INFORMATION:**

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|------------------------|------------------------------------|
| 1. IDENTITY            | : Sodium Aluminium Sulpho Silicate |
| 2. CAS NUMBER          | : 57455-37-5 / 101357-30-6         |
| 3. COLOUR INDEX NUMBER | : Pigment Blue 29   C.I.No. 77007  |

**COLOUR PROPERTIES:**

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

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|--------------------------|--------------------|
| 1. TINTING STRENGTH (%)  | : 100 ± 5          |
| 2. COLOUR DIFFERENCE DE* | : 1.0 Unit Maximum |
| DL*                      | : ± 0.5 Unit       |
| DA*                      | : ± 0.5 Unit       |
| DB*                      | : ± 0.5 Unit       |

**OTHER PHYSICAL AND CHEMICAL PROPERTIES:**

- |   |                       |
|---|-----------------------|
| 1. APPEARANCE                             | : Blue Powder         |
| 2. APPARENT DENSITY (g/cc)                | : 0.45 to 0.80        |
| 3. MOISTURE CONTENT AT 105°C (% BY WT.)   | : 1.0 % Maximum       |
| 4. WATER SOLUBLE MATTER (% BY WT.)        | : 2.0% Maximum        |
| 5. FREE SULPHUR                           | : 100 ppm Maximum     |
| 6. OIL ABSORPTION (% BY WT.)              | : 34 to 37            |
| 7. MEDIAN PARTICLE DIAMETER               | : 4.0 Microns Maximum |
| 8. RESIDUE ON 45 MICRONS SIEVE (% BY WT.) | : 0.5 Maximum         |

**COLOUR FASTNESS PROPERTIES:**

- |   |                        |
|---|------------------------|
| 1. HEAT STABILITY                                   | : 350 °C for 5 Minutes |
| 2. LIGHT (DAY LIGHT AND XENON LAMP)<br>IN MASS TONE | : 7/8 on Wool scale    |
| IN REDUCED TONE                                     | : 7/8 on Wool scale    |
| 3. WEATHER FASTNESS                                 | : 4/5 on Grey scale    |
| 4. IN ACIDS   | : Poor                 |
| 5. IN ALKALIS                                       | : Good                 |

**TOXICITY:**

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

**USAGE IN COSMETICS:**

Conforms to various regulations in most of the 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.*