



ULTRAMARINE & PIGMENTS LTD
BLUE DIVISION

TECHNICAL DATA SHEET
ULTRAMARINE VIOLET
UPV-3

REACH Pre Registration No. 05-2114108236-59-0000

GENERAL INFORMATION:

- | | |
|------------------------|------------------------------------|
| 1. IDENTITY | : Sodium Aluminium Sulpho Silicate |
| 2. CAS NUMBER | : 12769-96-9 |
| 3. COLOUR INDEX NUMBER | : Pigment Violet 15 :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 %) | : 100 ± 5.00 |
| 2. COLOUR DIFFERENCE DE* | : 1.0 Unit Maximum |
| DL* | : ± 0.50 |
| DA* | : ± 0.50 |
| DB* | : ± 0.50 |

OTHER PHYSICAL AND CHEMICAL PROPERTIES:

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|--|------------------------|
| 1. APPEARANCE | : Violet powder |
| 2. SPECIFIC GRAVITY | : 2.35 (Approximately) |
| 3. MOISTURE CONTENT (at 105°C) | : 1.0% Maximum |
| 4. WATER SOLUBLE MATTER | : 1.0% Maximum |
| 5. OIL ABSORPTION (% BY WT) | : 34.00 to 37.00 |
| 6. MEDIAN PARTICLE DIAMETER | : 2.00 Microns maximum |
| 7. RESIDUE ON 45 MICRONS SIEVE (% BY WT) | : 0.2 Maximum |
| 8. pH of 1% SOLUTION | : 5.0 – 8.0 |

COLOUR FASTNESS PROPERTIES:

- | | |
|-------------------------------------|------------------------|
| 1. HEAT AT 350 DEG C | : Stable for 5 minutes |
| 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.