



**TECHNICAL DATA SHEET
UPL VV1024
(PIGMENT BROWN – 24)**

TECHNICAL DATA SHEET FOR PIGMENT BROWN -24

1.0 GENERAL INFORMATION:

- | | | |
|-------------------------|---|--------------------------|
| 1.1 Identity | : | Chrome Antimony Titanate |
| 1.2 CAS Number | : | 68186-90-3 |
| 1.3 Colour Index Number | : | Pigment Brown 24 / 77310 |

2.0 COLOUR PROPERTIES:

(Pigment Brown reduced with its weight 1:1 of Rutile Titanium Dioxide, drawn down and compared with its batch standard in CIE Lab Scale)

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|-----------------------|--------|---|----------------|
| 2.1 Tinting Strength | (In %) | : | 100 ± 5.00 |
| 2.2 Colour Difference | DE * | : | 1.00 Unit Max. |
| | DL * | : | ± 0.70 |
| | DA * | : | ± 0.70 |
| | DB * | : | ± 0.70 |

3.0 OTHER PHYSICAL AND CHEMICAL PROPERTIES:

- | | | |
|---|---|---------------------|
| 3.1 Appearance | : | Brown Powder |
| 3.2 Apparent Density (g /cc) | : | 0.75 to 0.85 |
| 3.3 Specific gravity | : | 4.5 (Approximately) |
| 3.4 Moisture Content at 105° C | : | 1.0% Max. |
| 3.5 Water Soluble Matter | : | 1.0 % Max. |
| 3.6 Oil Absorption (% by wt.) | : | 30 +/- 5.0 |
| 3.7 Median Particle Diameter | : | 3.0 Microns Max. |
| 3.8 Residue on 45-micron sieve (% by wt.) | : | 0.2 Max. |
| 3.9 pH of 1% solution | : | 6.0 to 8.0 |

4.0 COLOUR FASTNESS PROPERTIES:

- | | | |
|--------------------|---|-------------------|
| 4.1 Heat at 800° C | : | Stable |
| 4.2 Light Fastness | : | 8/8 on wool scale |
| 4.3 In Acids | : | Good |
| 4.4 In Alkalis | : | Good |
| 4.5 In Solvents | : | Good |

5.0 TOXICITY:

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

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.