

## 43910 Bismuth Vanadate Yellow Lemon

Color Index: Pigment Yellow 184, C.I. 771740  
Chemical Structure: Bismuth vanadate  
CAS No.: 14059-33-7

Bismuth vanadate yellow is an inorganic pigment with greenish yellow hue. It is very pure, opaque, light and weather resistant.

Bismuth vanadate yellow enables a formulation of lead-free hues, as well as greenish - in connection with white, black and phthalocyanine blue - orange or reddish - in connection with organic pigments - hues. Hues made of these blends are very opaque. When same pigmentation is used, it is more opaque than lead chromate.

Bismuth vanadate yellow resistancy qualities make the product suitable for varnishes, especially for automobile varnishes.

### Physical Data:

pH-Value: 6 – 8  
Conductivity: < 400  $\mu\text{S}/\text{cm}$   
Specific surface: 11  $\text{m}^2/\text{g}$   
Density (20°C): 6.50  $\text{g}/\text{cm}^3$   
Bulk volume: 1.1 l/kg  
Oil absorption: 32 g/100 g  
Dry content: > 98.5 %

### Resistance to Chemicals:

Acid (HCl, 2 %): 5  
Alkali (NaOH, 2 %) 4

**Heat Resistance:** 200°C (392°F)

**Fastness to Overcoating:** 5

### Fastness to Weathering:

	1	2	3	4
Alkyd/Melamine:	4-5	4-5	4-5	4-5
Acryl/Melamine:	4-5	4-5	4-5	4-5

### Resistance to Solvents (Powder):

Ethanol: 5  
Butyl acetate: 5  
Methylethyl ketone: 5  
Xylene: 5  
White spirit: 5  
Methoxy-1-2-propanol: 5