

45100 Ultramarine Violet, medium

Product name:	Ultramarine Violet, medium
Chemical name:	Sodium-aluminium-sulfo-silicate
Color index:	C.I. Pigment violet 15 : 77007
C.A.S. No.:	12769-96-9
EINECS No.:	2-358-110

Specification:

Color shade DE CIEL (max):	1.00 lightening 1:3 with TiO ₂ in impact-resistant polystyrene
Coloring strength (compared to standard):	± 5 %
Oversize (45 µm):	max. 0.10 %
Volatile moiety (105°C):	max. 1.50 %
Free sulfur:	max. 0.05 %
Water soluble parts:	max. 1.00 %

Typical Data:

Color grade:	51
Density:	2.35
Bunk density (g/cm ³):	0.75
Oil adsorption:	38.5
Middle particle size (µm):	2.40

Fastness/Resistance

Temperature resistance:	> 260°C
Light fastness (full color):	excellent (7 - 8)
Light fastness (lightening):	excellent (7 - 8)
Alkali resistance:	excellent
Acid resistance:	weak

Safety Information

Acute oral toxicity (LD ₅₀ , rat):	> 10 g/kg
Skin irritation:	not irritant and not sensitizing
Eye irritation:	not irritant
Exposition limit:	6 mg/m ³ (MAK Value)
Ecology:	not hazardous

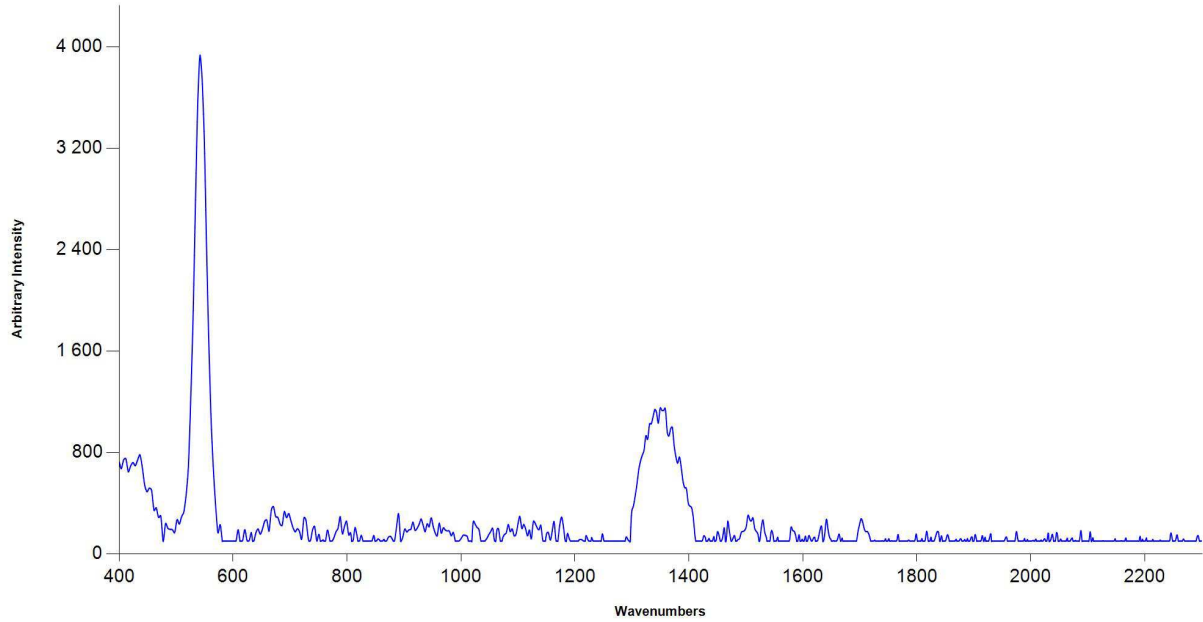
Regulations

Ultramarine violet is a non toxic pigment. It is universally authorized as coloring agent for objects being in contact with food and for the manufacture of toys.

Storage, Stability and Handling

Transportation and storage:	Do not store near acid substances.
Non-compatible substances:	Acids.
Decomposition products:	Hydrogen sulfide is released after contact with acids.
Special protective measures:	None, however, avoid contact with excessive dust.
Special measures in case of release:	Clean-up immediately. Avoid spilling of large amounts of dust. Dispose of spilled material in accordance with local and national regulations.

Raman spectrum of 45100:
(Source: MR PHSG, 2017)



— Sample Spectrum