

# Technical data sheet

EP-19

C.I. Pigment Blue 29

Ultramarine Blue

CAS# 57455-37-5

EINECS # 309-928-3

C.I. # 77007

**Product description:**

EP-19 is a very reddish Ultramarine Blue.

Pigment with excellent outdoor durability, light and heat fastness. Non bleeding, non migratory. P is the basic series for general applications, including Plastics.

Physical and chemical properties	Typical value	Analysis method
Specific Gravity [g/cm <sup>3</sup> ]	2,35	ASTM D-153
Oil Absorption [g/100 g]	37	ASTM D-281
Absolute T. Strength	180	NCF-23
Heat Fastness	350°C 5min	NCF-33
Alkali Fastness	5	NCF-35
Acid Fastness	1	NCF-35
Light Fastness	8	NCF-32
Soluble Heavy Metals [ppm]	< 20	NCF-41 (AP-89, Pb+Cd+Hg+Cr VI)
Total Heavy Metals [ppm]	< 100	NCF-43 (CONEG, Pb+Cd+Hg+Cr VI)

Certified characteristics	Lot tolerance	Analysis method
dL in reduced shade	- 0,40/+0,40	NCF-01
da in reduced shade	- 0,70/+0,70	NCF-01
db in reduced shade	- 0,70/+0,70	NCF-01
dC in reduced shade	- 0,70/+0,70	NCF-01
dH in reduced shade	- 0,70/+0,70	NCF-01
dE in reduced shade	< 1,00	NCF-01
Tinting Strength [%]	100 +/-5	NCF-01
Moisture (when packaged) [%]	< 1,00	ASTM D-280
Sieve Residue (325 mesh / 45µm) [%]	< 0,05	ASTM D-185
Free Sulphur [%]	≤ 0,02	NCF-30
Soluble Salts [%]	< 0,70	ASTM D-2448

**Limitation of Warranty and Liability**

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Vibrantz Material: 1140014 PS UMB EP-19 Blue P000Q00 25KG