

45020 Ultramarine Blue, reddish

Chemical Composition

Product name:	Ultramarine Blue, reddish
Chemical name:	Sodium aluminium sulfo silicate
Color index:	C.I. Pigment blue 29 : 77007
CAS No.:	57455-37-5 (TSCA) 101357-30-6 (EINECS)
EINECS:	3-099-283

Specification

Coloring (optical brightening 1:5 with titanium dioxide in linseed oil compared to standard)

DL:	max. $\pm$ 0.30 CIEL
DH:	max. $\pm$ 0.80 CIEL
DC:	max. $\pm$ 0.80 CIEL
DE:	max. 1.00 CIEL
Screen oversize (45 μ m):	max. 0.15 %
Volatile part (105°C):	max. 1.00 %
Free sulfur:	max. 0.10 %
Water soluble parts:	max. 1.00 %

Typical data

Coloring strength:	102
Density:	2.35
Bulk density (g/cm ³):	0.80
Oil absorption:	35.0
Mean particle size (μ m):	2.43

Fastness/Resistance

Temperature stability:	> 350°C
Light fastness (Xenon lamp and daylight):	excellent (7 - 8)
Light fastness - dilution:	excellent (7 - 8)
Alkali resistance:	excellent
Acid resistance:	weak



Regulations

Ultramarine blue is a non-toxic pigment. It is generally permitted for coloring objects/things having contact with foodstuffs and for the manufacture of toys.

Storage, Stability and Handling

Transportation and storage:

Not compatible substances:

Decomposition products:

Special protective measures:

Methods for cleaning up / absorption:

Do not store near acid substances.

Acids

Release of hydrogen sulphide after contact with acids.

None, however avoid dust formation.

Clean up mechanically - avoid dust development.