
Vat Red 13



Vat Red 6B C.I. [Vat Red 13](#) is a high-performance anthraquinone based vat dyes known for its excellent sun and water fastness, as well as its vibrant red color. It is mainly used for cotton and viscose fiber products with extremely high durability requirements, such as outdoor textiles, workwear, and high-end home textiles. Although its dyeing process is relatively complex and involves chemicals, the excellent quality of its final product makes it an irreplaceable choice in the high-end dyeing field.

Vat red 13 brief process of dyeing technology

- 1. Vatting:** Under alkaline conditions (caustic soda), insoluble vat red 13 dye is reduced to a water-soluble Leuco form using a reducing agent (sodium hydrosulfite).
- 2. Dyeing:** Sodium hypochlorite has a good affinity for cellulose fibers and can adsorb and penetrate into the interior of the fibers.
- 3. Oxidation:** After dyeing, the hidden color inside the fiber is re oxidized by exposure to air (oxidation in air) or the use of oxidants (such as hydrogen peroxide), restoring it to its original insoluble color lake and firmly fixing it inside the fiber.
- 4. Soaping:** Finally, soaping treatment is carried out to remove floating colors, making the color of the dye more pure and bright, and further improving the color fastness.

Vat Red 13 Specification

» **Product name:** Vat Red 6B

» **Type:** [Vat Dyes](#)

» **CAS NO.:** 4203-77-4

» **MF:** C32H22N4O2

Vat Red 13 Physical Propertie

Basic Information	
Product Name	Vat red 6B
Colour Index	C.I. vat red 13
CAS No.	4203-77-4
Specification	
Shade	Similar With Standard
Strength	100%
Appearance	Powder .
Moisture %?	1.20
Insoluble Matter %?	0.20
Application	Printing and dyeing cotton

Vat dyes list

还原染料色卡 · Vat Dyes



沧州信诚伟业化工有限公司
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序号 No.	色样 Shade Card	染料名称 Product Name
01.		Yellow G C.I. Vat Yellow 1
02.		Yellow GCN C.I. Vat Yellow 2
03.		Yellow F3G C.I. Vat Yellow 33
04.		Golden Orange 2RT C.I. Vat Orange 2
05.		Orange RF C.I. Vat Orange 5
06.		Brilliant Orange GR C.I. Vat Orange 7
07.		Orange 3RT C.I. Vat Orange 11
08.		Pink Red R C.I. Vat Red 1
09.		Red FBB C.I. Vat Red 10
10.		Red 6B C.I. Vat Red 13
11.		Scarlet GG C.I. Vat Red 14
12.		Bordeaux 2R C.I. Vat Red 15
13.		Scarlet R C.I. Vat Red 29
14.		Red F3B C.I. Vat Red 31

序号 No.	色样 Shade Card	染料名称 Product Name
15.		Brilliant Violet RR C.I. Vat Violet 1
16.		Violet RRN C.I. Vat Violet 3
17.		Brilliant Violet 3B C.I. Vat Violet 9
18.		Indigo Blue C.I. Vat Blue 1
19.		Blue RSN C.I. Vat Blue 4
20.		Blue 4B C.I. Vat Blue 5
21.		Blue BC C.I. Vat Blue 6
22.		Blue GCDN C.I. Vat Blue 14
23.		Dark Blue BO C.I. Vat Blue 20
24.		Brilliant Green FFB C.I. Vat Green 1
25.		Olive Green B C.I. Vat Green 3
26.		Brown BR C.I. Vat Brown 1
27.		Brown RN C.I. Vat Brown 3
28.		Olive T C.I. Vat Black 25



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Yeah ! Add Some Color To Your Life ! XCWY Dyes Welcome your contact !

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Product link : <https://www.xcwydyes.com/vat-red-13.html>