

D&C Red 33

(a) Identity

The color additive D&C Red No. 33 is principally the disodium salt of 5-amino-4-hydroxy-3-(phenylazo)-2,7-naphthalenedisulfonic acid (CAS Reg. No. 3567-66-6).

Colour Index Name: Acid Red 33 **Colour Index No:** 17200 **CAS No:** 3567-67-6
Chemical Formula: C₁₆H₁₁ N₃O₇S₂Na₂

(b) Specifications

D&C Red No. 33 shall conform to the following specifications and shall be free from impurities other than those named to the extent that such impurities may be avoided by current good manufacturing practices:

Purity	: 82% Min
Sum of volatile matter at 135 °C (275 °F) and chlorides and sulfates (calculated as sodium salts)	: 18 % Max
Water-insoluble matter	: 0.3% Max
4-Amino-5-hydroxy-2,7-naphthalenedisulfonic acid, disodium salt	: 0.3% Max
4,5-Dihydroxy-3-(phenylazo)-2,7-naphthalenedisulfonic acid, disodium salt	: 3.0X Max
Aniline	: 25 ppm
4-Aminoazobenzene	: 100 ppb
1,3-Diphenyltriazene	: 125 ppb
4-Aminobiphenyl	: 275 ppb
Azobenzene	: 1 ppm

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Metals:

Lead (as Pb)	: 10 ppm Max
Arsenic (as As)	: 3 ppm Max
Mercury (as Hg)	: 1 ppm Max

Use Restrictions : Use of this color is limited to drugs and cosmetics. It is also subject to additional restrictions.

Shelf Life : Indefinite when stored as recommended (6 years)

Recommended Storage Conditions : Store at room temperature in a dry location. Keep container and inner liner tightly closed.