

**D&C Green No. 8**

**(a) Identity**

The color additive D&C Green No. 8 is principally the trisodium salt of 8-hydroxy-1,3,6-pyrene-trisulfonic acid.

**Colour Index Name:** Solvent Green 7    **Colour Index No:** 59040    **CAS No:** 6358-69-6  
**Chemical Formula:** C<sub>16</sub>H<sub>17</sub>O<sub>10</sub>S<sub>3</sub>Na<sub>3</sub>

**(b) Specifications**

D&C Green No. 8 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 good manufacturing practices:

Purity	: 65 % Min
Volatile matter (at 135 °C)	: 15 % Max
Water-insoluble matter	: 0.2 % Max
Chlorides and sulfates (calculated as sodium salt)	: 20 % Max
The trisodium salt of 1,3,6-pyrenetrisulfonic acid	: 06 % Max
The tetrasodium salt of 1,3,6,8-pyrenetetrasulfonic acid	: 01 % Max
Pyrene	: 0.2 % Max

**Metals:**

Lead (as Pb)	: 20 ppm Max
Arsenic (as As)	: 3 ppm Max
Mercury (as Hg)	: 1 ppm Max

Use Restrictions	: Use of this color is limited to <b>externally applied</b> (nonmucous membrane) drugs and cosmetics. Amount used may not exceed 0.01% by weight of the finished product.
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.