

# Carmine Cell culture Tested

**Product Code: TC264**

## Product Description :

Colour Index Number: 75470

CAS No.:1390-65-4

Synonym:Alum lake of carminic acid, Cochineal.

Carmine is a semisynthetic dye, a complex of aluminium and a natural dye carminic acid. Carmine has been used to demonstrate nuclei, chromosomes, mucin and glycogen rich regions in cells depending on formulation.

### Applications

In vitro cell quantification: carmine staining represents an easy, precise and reliable alternative for in vitro cell quantification, avoiding interferences caused by cell components modulable by culture treatments and over a wide range of cell types and cell densities.

Staining of glycogen in hepatocytes and other glycogen containing tissues.

Histopathology staining of liver biopsies.

## Storage and Shelf Life:

The powdered form should be stored at 10-30°C.  
Use before expiry date given on the product label.

## Quality Control:

### Solubility

20 ppm in alkali gives clear solution

### Appearance

Red to dark red to red-purple crumbly solid or powder

### Sulphated ash

0.00 -12.00

### Loss on drying (at 135°C, 3 hr)

0.00 -20.00

### Carminic acid (UV, on dry basis)

42.00 -0.00

### Cell Culture Test

Passes

Revision: 01/2017

### Disclaimer :

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