

42100 Carmin Naccarat

Identification: C.I. No 75740, Natural Red 4:1, E No. E 120

Description: Red lake powder, obtained from the aqueous extract of the *Coccus Cacti*, which under certain conditions forms a complex with aluminium and calcium salts, known as Natural Carmine. The coloring principle is Carminic Acid. Carmine is soluble in alkaline water and acid solution

Coloration: Red to red-orange at pH 3 to 7. At pH above 8, it gives a red to a purple-red color.

Concentration: 60 % Carminic Acid (FCCII)

Certificate of Analysis

<i>Parameter</i>	<i>Specification</i>	<i>Result</i>
Total color content	60.0 ± 0.25 %	60.0 %
Humidity	≤ 15.0 %	9.1 %
L	70 – 74	72.45
a	17 – 20	18.32
b	1 – -1	-0.23
<i>Heavy metals</i>		
Lead (Pb)	≤ 2 ppm	< 2 ppm
Arsenic (As)	≤ 1 ppm	< 1 ppm
Mercury (Hg)	≤ 1 ppm	< 1 ppm
Cadmium (Cd)	≤ 1 ppm	< 1 ppm
Total heavy metals (as Pb)	≤ 40 ppm	< 40 ppm
<i>Microbiological Analysis</i>		
Total plate content	≤ 10,000 cfu/g	< 10,000 cfu/g
Moulds and Yeasts	≤ 100 cfu/g	< 100 cfu/g
Coliforms	≤ 10 cfu/g	< 10 cfu/g
St. Aureus	≤ 10 cfu/g	< 10 cfu/g
E. Coli	absent in 25 g	absent
Salmonella	absent in 25 g	absent

Regulation: Carmine conforms to the EC Directive 95/45/EC as E 120 and conforms to the purity criteria for E 120 (Carmine)

Application: Food (soups, meat products, spices), cosmetic, pharmaceutical industry.

Storage and Prevention: Store in a cool, dry location in the original container.
Protect from moisture.
Prevent from humidity.