

From red to pink, there's plenty of natural options. Explore with us!



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Carmine derived from cochineal has historially been a widely used source for natural red color because of it's versatility and excellent stability to heat and light. However, the increased consumer interest in plant-based, vegan and vegetarian diets drives demand for alternative natural red color solutions for food and beverage. According to Innova Market Insights, launches of colored F&B products with vegetarian positioning has increased 13.5% since 2021.

Why food manufacturers look for alternatives to carmine:



To meet vegetarian, kosher and halal requirements



No dosage restrictions from aluminum lakes



Supply stability and cost-efficiency from alternatives



Costs and supply fluctuations

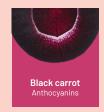
| | Fermented sausage | Emulsified sausage | UHT milk | Milkshake | Sponge cake | Jelly gum/ gummies | Panned candy |
|--------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Colored with carmine | | | | | | | |
| Colored with alternative raw materials | | | | | | | |
| Benefits of alternative raw material | Red beet: Cost-efficient No dosage restriction from aluminium-lake | Hansen sweet potato™: • Good heat stability • The reddest of anthocyanins at higher pH | Lycopene: Heat stable Reddish also in neutral pH bases | Hansen sweet potato™: Good heat stability • No off-flavor • The reddest of anthocyanins at higher pH | Hansen sweet potato™: Good heat stability • No off-flavor • The reddest of anthocyanins at higher pH | Hansen sweet potato™ & Black carrot: Bright red shades at low pH Good heat and light stability No off-flavor | Red beet & Fungus carotene: Red blend that does not require low pH No off-flavor |

Several natural raw materials can replace carmine. It depends on your application

















Or need more alternatives? Contact us.

