

**Candurin® pearl effect colors (mica-based)
Regulatory overview food application (5/2016)**

Country or coverage of regulation	Candurin® in food applications
EC	<p>Candurin® colors in compliance to directive 1333/2008/EC* on food additives. They can be used as food colorants for all food products permitted to be colored with titanium dioxide or iron oxide; usage level at quantum satis</p> <p>* as amended by 1129/2011/EC & 1130/2011/EC</p>
EC-associated countries (Croatia, Iceland, Turkey, Norway, Algeria, Morocco, Tunisia)	<p>Approval equivalent to relevant EC directives</p>
USA	<p>Candurin® Silver and Interference colors are in compliance with FDA-listing as color additives exempt from batch to batch certification: 21 CFR Part 73: section §73.350 titanium dioxide coated mica-based pearlescent pigments:</p> <p>(i) In amounts up to 1.25 percent, by weight, in the following foods: Cereals, confections and frostings, gelatin desserts, hard and soft candies (including lozenges), nutritional supplement tablets and gelatin capsules, and chewing gum.</p> <p>(ii) In amounts up to 0.07 percent, by weight, in the following: (A) Distilled spirits containing not less than 18 percent and not more than 23 percent alcohol by volume but not including distilled spirits mixtures containing more than 5 percent wine on proof gallon basis. (B) Cordials, liqueurs, flavoured alcoholic malt beverages, wine coolers, and cocktails. (C) Non-alcoholic cocktail mixes and mixers, such as margarita mix, Bloody Mary mix, and daiquiri mix, but excluding eggnog, tonic water, and</p>



	<p>beverages that are typically consumed without added alcohol (e.g. fruit juices, fruit juice drinks, and soft drinks).</p> <p>(iii) In egg decorating kits used for coloring the shells of eggs in amounts consistent with good manufacturing practice.</p>
Canada	<p><u>Food products:</u> Health Canada: Candurin® complies to listing of 3 types of potassium-aluminum-silicate based colours in list of permitted colouring agents:</p> <ul style="list-style-type: none"> - Chewing gum; unstandardized confectionery (1.25%) - Unstandardized alcoholic beverages (0.5%) - Gelatin deserts; Unstandardized bakery products: 0.15% - Color formulations applied to the surface of bite sized chocolate, bite sized milk chocolate, bite sizes sweet chocolate or bite sized white chocolate: 0.15% <p><u>Natural Health Products (NHP):</u> Candurin® colors conform to listing in HC NHP-Ingredients Database; usage level max. 3% by weight of the finished product</p>
Switzerland	<p>Candurin® colors in compliance with Swiss food regulation (EDI, ZuV 2015)</p>
South Africa	<p>Candurin® colors permitted for "sweets and confectionery" in terms of Act 54 of 1973</p>



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Israel	Approval equivalent to EC
Australia New Zealand	Candurin® colors in compliance to Food Standards Australia New Zealand (FSANZ- 1.3.1 – Schedule 2)
Russia Armenia Belorussia Kazakhstan Kyrgyzstan	EAEC - Eurasian Economic Community TR CU 029/2012/Decision No. 58 Mica listed as carrier for titanium dioxide and iron oxides (Annex Supp. 2)
Colombia	According to INVIMA all Candurin® colors are approved
Peru	According to DIGESA all Candurin® colors are approved
Chile	Candurin® colors in compliance with Chilean food regulation (Reglamento Sanitario de los Alimentos N° 977/96, Párrafo II, Artículo 141)
Taiwan	List I, Article II, Application Scope and Limit Standard for Food Additives 9th Category Colorant: Potassium aluminum silicate-based pearlescent pigments could be used in capsule-shaped and ingot-shaped food and chewing gum; max. dosage 12.5g/kg.
Egypt	Candurin® colors are in compliance with Decree No 411/1997 and ES 7116/2010
Mexico	All Candurin® colors can be used in compliance with Mexican regulation Secretaría de Salud – Acuerdo Aditivos 2013



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