

SUMMARY INFO CHART

FD&C Aluminum Lakes

Lake	Dye Content	Colour Index #	E #
FD&C Blue 1 Aluminum Lake	Low (11-13%) High (28.31%)	42090	E133
FD&C Blue 2 Aluminum Lake	Low (11-14%) High (28.31%)	73015	E132
FD&C Red 40 Aluminum Lake	Low (15-17%) High (36-42%)	16035	E129
FD&C Yellow 5 Aluminum Lake	Low (15-18%) Medium (25-28%) High (36-42%)	19140	E102
FD&C Yellow 6 Aluminum Lake	Low (15-18%) Medium (24-27%) High (36-42%)	15985	E110

Comments:

- 1) FD&C Aluminum Lake are insoluble pigments which are made from water soluble FD&C Dyes. Lake / Pigments share the same E# as the Dyes they are made from.
- 2) Lakes are oil dispersible, but not oil soluble. Vegetable oil based Lake Dispersions are used in to color fat based ingredients such as chocolate and compound coatings. Lakes can also be dispersed into sucrose or dextrose solutions for panning applications.
- 3) Each batch of FD&C Aluminum Lakes must be submitted to the United States FDA for approval that it meets strict government specifications. Once approved, each batch is supplied with a unique FDA "Certification Number". Hence the term, "Certified Food Color".
- 4) While the term "FD&C" generally refers to "Food, Drug, and Cosmetic", it is important to note that the two Blue 2 Aluminum Lakes are not approved for use in Cosmetics at this time.



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