

The Soap Kitchen

PRODUCT SPECIFICATION

Brilliant Blue FCF

FDA Ref: F D & C Blue No. 1 CFR 21 74.101
EU Ref: Annex IV Part 1
Japan Ref: Blue No. 1
CAS No. 3844-45-9

Common Name: Brilliant Blue FCF
C.I. Ref: Food Blue 2
No. 42090
EINECS: 223-339-8

Chemical Formula

Principally the disodium salt of ethyl[4[ethyl(m-sulphobenzyl)amino]- α -(o-sulphophenyl)benzylidene]-2,5-cyclohexadien-1-ylidene](m-sulphobenzyl)ammonium hydroxide inner salt.

Specification

This colour conforms to the following specification and is certified by the Food & Drug Administration in the USA.

Volatile matter (@ 135°C)	}
Chlorides and sulphates (Na salts)	} 15.0 % max.
Water insoluble matter	0.2 % max.
Leuco base	5.0 % max.
o-,m-,p-sulphobenzaldehydes	1.5 % max.
N-ethyl, N-(m-sulphobenzyl)sulphanilic acid	0.3 % max.
Subsidiary colours	6.0 % max.
Chromium (Cr)	50 ppm max.
Arsenic (As)	3 ppm max.
Lead (Pb)	10 ppm max.
Mercury (Hg)	1 ppm max.
Manganese (Mn)	100 ppm max.

Notes

1. Pure dye content 85 % min.

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