



Blue California[®]

30111 Tomas
 Rancho Santa Margarita, CA 92688
 Tel: 949.635.1990
 Fax: 949.635.1988

CERTIFICATE OF ANALYSIS

Product: Biolut™ Marigold Extract 90% Lutein Esters (*Tagetes erecta*, Flower) for use as a dietary supplement.

Lot No:	BLT-02-07	Distributor: Blue California Co.
Date of Manufacturing:	07-05-07	Manufactured By: Biolut S.A. de C.V.
Expiration/re-test date:	02-05-09	Plant Extract Ratio: N/A
QC acceptance date:	07-13-07	Pesticides & Herbicides: Free
Country of Origin:	Mexico	Dioxin: Free
GMO free in accordance to EC 1829/2003 & 1830/2003 * This product has NOT been irradiated *		

ATTRIBUTES	SPECIFICATION	METHODS	RESULTS
APPEARANCE	ORANGE POWDER	VISUAL	PASS
FOREIGN MATTER	ABSENT	VISUAL	PASS
ODOR	CHARACTERISTIC	OLFACTORY	PASS
TASTE	CHARACTERISTIC	GUSTATORY	PASS
TRANS-LUTEIN	≥ 45%	AOAC	49.45%
LUTEIN ESTERS	> 90%		94.61%
TOTAL CAROTENOIDS	≥ 48%	AOAC	52.27%
TRANS-ZEAXANTHIN	≥ 2%	HPLC	3.83%
HEAVY METALS	< 10 ppm	USP 28	PASS
LOSS ON DRYING	≤ 8 %	USP 28	PASS
PARTICLE SIZE:	95% through Mesh #40 Sieve	USP 28	PASS
TOTAL PLATE COUNT	< 1,000 cfu/gm	AOAC	PASS
TOTAL COLIFORM	< 100 cfu/gm	AOAC	PASS
YEAST AND MOLDS	< 100 cfu/gm	AOAC	PASS
E. COLI:	NEGATIVE	AOAC	PASS
SALMONELLA	NEGATIVE	AOAC	PASS
PS. AERUGINOSA	NEGATIVE	AOAC	PASS
SHELF LIFE	18 Months	AOAC	PASS

*Note: Biolut Marigold Extract is an esterified product, according to the AOAC method (AOAC 970.64-1990) lutein esters should be hydrolyzed prior to analysis so that guaranteed values are expressed as free lutein.

Fabrice Rocchiccioli, PhD

07-16-2007

QUALITY MANAGER

ISSUE DATE

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- * THIS PRODUCT SHOULD BE STORED SEALED IN A COOL AND DRY PLACE.

