



Vitamins, minerals, enzymes, additives, flavors, and colors...all food must be labeled with the exact components and amounts. Contaminants or allergens -- it is vital that you know what other elements are present.

From anchovies to zucchini, and every food between, EMSL has a laboratory near you that specializes in chemical testing for food; assurance that your product is safe for all consumers.

For over 30 years EMSL has led the industry in testing and analysis.
Our professional staff of trained scientists, technicians and analysts can also provide Method Validation & Development.

Antioxidative Capacity

Anti-Oxidant - ORAC

Hydro Only Hydrophilic Lipophilic

Polyphenols (total)

Vit C & Reducing Sugars no correction for

with correction for

Tannins (total) **Amino Acids**

Free Amino Acids

Amino Acid Profile Package

Alanine, Arginine, Aspartic, Cysteine, Glutamic, Glycine, Histidine, Isoleucine, Leucine, Lysine, Methionine, Phenylalanine, Proline, Threonine, Tryptophan, Tyrosine, Serine, and Valine

Acid Stable Amino Acids Package

Alanine, Arginine, Aspartic Acid, Cysteine, Lutamic Acid, Glycine, Histidine, Isoleucine, Leucine, Lysine, Methionine, Phenylalanine, Proline, Serine, Threonine, Tyrosine, Valine, and Hydroxyproline

Cysteine, Methionine

Tryptophan L-Carnitine

Creatine & Creatinine

Carotenoids

Beta-Carotene

Carotenoids **Total Carotenoids**

(Spectrophotometric) Astaxanthin

Color Analysis*submit 4 oz

ICUMSA

L*a*b color

SRM, EBC (Spectrophotometric)

Contaminants

Sterols

Acrylamide

Heavy Metals by ICP

Heavy Metals Package

Ag, Al, As, Ba, Be, Cd, Co, Cu, Fe, Hg, Mn, Ni, Pb, Sb, Se, Sn

Heavy Metals by ICP/MS

low LOD <1 ppm

Arsenic Speciation

Organic & Inorganic

Heavy Metals Speciation

Cr, Hg, Pb, Se, Sn Organic & Inorganic Mercury (CVAA)

Hexane

Lead in Food by ICP

Melamine by LC/MS

Patulin

Pesticides

Multi-Residue-Analysis (MRA) N-Methyl Carbamates

Organochlorinated

Organonitrogen other than Triazines N-Methyl Carbamates

Organophosphates

Single Residue

Petroleum Products Dispersants Polyaromatic Hydrocarbons (PAH)

Polychlorinated Biphenyl (PCB)

Total Petroleum Hydrocarbons

(TPH)

TPH & PAH Package

Enzymes and Proteins

Bromelain (matrix specific)

Casein (total)

Enzymes:

Aalpha-Amylase, Beta-Amylase, Cellulase, Gamma-Amylase, Lipase,

Phosphatase, Protease

Prolactin

Total Whey Protein

Alpha Lactoalbumin, Beta Lactoglobulin

Fat and Fatty Acids

Fatty Acids Profile

Omega-3, Omega-6, Omega-9

Fatty Acids, Free by Titration

Milk Fat

Total (Crude) Fat by Acid Hydrolysis

Fat (Soxhlet)

Food Additives & Preservatives

Artificial Sweeteners

Approved by FDA Package Acesulfame K, Aspartame,

Cyclamate, Saccharin, Sucralose

Non-Approved by FDA

Cvclamate

Alitame

Color Additives

Approved for Use in Food

FD&C

Blue #1, Blue #2 Green #3

Red #3, Red #40

Yellow #5, Yellow #6

Citrus Red #2 & Orange B

Artificial Non-Approved by FDA Of Natural Origin

Approved for Use in Human Food

Carmine Turmeric (Curcumine)

Annatto

Preservatives

Parabens Package

Butyl, Ethyl, Isobutyl, Methyl, Parahydroxybenzoates, Propyl

1-2 Parabens

Sorbate

Benzoate

Antioxidants

внт

Etoxyquin (Santoquin)

Glycerols

Glycols

Alcohol Content (Ethanol)

Soluble Salt (Sodium Chloride)

Hormones * submit 1 oz

Estradiol

Hormone Analysis

Estrogen, Progesterone, Testosterone

Sterols Package Beta Sitosterol, Brassicasterol, Campes

terol, Stigmasterol

Organic/Phenolic Acids

Organic

Citric Acid Malic Acid Lactic Acid Oxalic Acid Propionic Acid

Sorbic Acid Benzoic Acid

Succinic Acid Fumaric Acid

Phenolic Chicoric Acid

Echinacoside

First Sample in Batch Additional Samples in Batch

Volatile Organic Acids

Rancidity

Fatty Acids, Free by Titration Hexanal

Oxidative Stability Index

p-Anisidine value

Peroxide value

Thiobarbituric Acid (TBA)

Value

Sugars & Polysaccharides

Sugar Profile:

Fructose, Glucose, Lactose, Maltose, Mannose, Sucrose Sugar profile, low level Sugar alcohols

Fructan

Spectrophotometric Fructo-oligosaccharides

Inulin Nisin (Fructant)

Reducing Sugars

Glucosamine Chondroitin

Beta Glucan Amylose

Methods offered include: FDA/BAM, USDA, USP, AOAC, CMMEF

EMSL Analytical Locations



www.FoodTestingLab.com 800.220.3675

EMSL Analytical, Inc. is an independent, contract testing laboratory specializing in

Chemistry Food Testing Materials Analysis Failure Analysis

Headquarters EMSL Laboratory Location

EMSL Service Center Location LA Testing Laboratory Location

FDA Registered and DEA Licensed cGMP and ISO 17025 Compliant

Microbiology