

# DEA®

# Black List

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## Introduction

At DEA FLAVOR, we are committed to continuously protect our employees, our consumers and the world we live in. With the aim to deploy the safest production processes in our plants, to deliver the most sustainable products to our customers and to respect all the applicable laws and regulations, we have identified a set of chemical substances and preparations that we aim either to accept only in limited amount or to ban from all the raw materials we utilize.

Where the DEA Black list cannot be respected, and no other alternatives exist, DEA team must be consulted to determine if the levels present constitute a significant risk.

## Periodic Black List update

DEA Flavor team will keep the list update, according to International applicable laws evolution. The most recent edition of the Black List remains available on the [DEA official web site](#)

Suppliers are invited to periodically verify the consistency of the document in their hands with the latest one published on the website.

## CRITERIA OF ACCEPTABILITY RAW MATERIALS:

All aromas, natural or artificial, must be contained in at least one of the following lists:

- Annex 1 of the European Regulation 1334/2008/UE
- [Substances Added to Food Inventory of the United States](#)
- [FEMA GRAS \(Generally Recognized as Safe\)](#)
- [IOFI Global Reference List of Natural Complex Substances / Natural Flavouring Complexes](#)

CHEMICALS BANNED/RESTRICTED	REGULATORY REFERENCE	CAS	LIMITs	LINK
Ethanol	I.P.*	64-17-5	<3%	
Vitamins, Caffeine, Taurine, Additives and stimulant compounds, Additives with coloring properties of emissions	EU Tobacco Directive (Directive 2014/40/EU)	Various	Absence	
<b>CMR SUBSTANCES</b>				
Class 1A-1B Carcinogen, Mutagen and Reprotoxic substances (CMR)	Regulation (EC) No 1272/2008 (CLP)	Various	Absence	<a href="#">Regulation (EC) No 1272/2008 (CLP)</a>
Class 2 Carcinogen and Mutagen substances (CM)		Various	Absence	
Class 2 Reprotoxic substances (R)		Various	Absence	
Substances with specific target organ toxicity or aspiration toxicity (STOT-RE 1 - STOT-SE 1 -Resp. Sens. 1)		Various	Absence	
<b>OTHER CHEMICAL</b>				
2,3-Butanedione (Diacetyl)	I.P.*	431-03-8	Absence	
2,3-Pentanedione (Acetylpropionyl)	I.P.*	600-14-6	Absence	
Ethylene glycol	I.P.*	107-21-1	Absence	
Diethylen glycol	I.P.*	111-46-6	Absence	
Formaldehyde	I.P.*	50-00-0	Absence	
Acetaldehyde	I.P.*	75-07-0	Absence	
Acrolein	I.P.*	107-02-8	Absence	
3-Hydroxy-2-butanone (Acetoin)	I.P.*	513-86-0	Absence	
2,3-Hexanedione (Acetyl butyryl)	I.P.*	3848-24-6	Absence	
Birch Oil	I.P.*	8001-88-5	Absence	
2-Hydroxypropane-1,2,3-tricarboxylic acid (Citric acid)	I.P.*	77-92-9	Absence	
cis-Butenedioic acid (Maleic acid)	I.P.*	110-16-7	Absence	
Butanedioic acid (Succinic acid)	I.P.*	110-15-6	Absence	
Agaric Acid	Regulation (EC) No 1334/2008 Annex III	666-99-9	Absence	<a href="#">Regulation (EC) No 1334/2008 Annex III</a>
Aloin		8001-97-6	Absence	
Capsaicin		404-86-4	Absence	
1,2-Benzopyrone (Coumarin)		91-64-5	Absence	
Hypericine		548-04-9	Absence	
Beta-asarone		2883-98-9	Absence	
4-Allylanisole (Estragole)		140-67-0	Absence	
Hydrocyanic acid		74-90-8	Absence	
Meranthofuran		494-90-6	Absence	
4-Allyl-1,2-dimethoxybenzene (Methyl Eugenol)		93-15-2	Absence	
Pulegone		15932-80-6	Absence	
Quassin			Absence	
1-Allyl-3,4-methylene dioxi benzene, safrole		8006-80-2	Absence	
Teucrin A			Absence	
Thujone (alpha and beta)		1125-12-8	Absence	

CHEMICALS BANNED/RESTRICTED	REGULATORY REFERENCE	CAS	LIMITs	LINK
<b>VARIOUS</b>				
OGM	Regulation (EC) No 1829/2003 Regulation (EC) No 1830/2003		Absence	
Food allergens	Regulation (EC) No 1169/2011		Absence	
Heavy metals:	Annex II – D.lve 25 <sup>th</sup> January 1992, n. 107; Directives 88/388 / CEE and 91/71 /CEE		compliant with current regulations	
Substances of Very High Concern, classified as PBT, vPvB or Endocrine Disruptors, and included in the “Candidate List” published by the European Chemicals Agency, according to Regulation (EC) No 1907/2006 (REACH), directly added or as contamination.	Regulation (EC) No 1907/2006 (REACH)		Absence	<a href="#">Candidate List</a>
Restrictions limit or ban the manufacture, placing on the market or use of certain substances that pose an unacceptable risk to human health and the environment	Regulation (EC) No 1907/2006 (REACH) Annex 17	Various	Specific limits for each item	<a href="#">Regulation (EC) No 1907/2006 (REACH) Annex 17</a>
<b>NO MIXTURE COMPONENTS MUST BE PRESENT IN ANY OF THE FOLLOWING LISTS:</b>				
Agents classified by the IARC Monographs	I.P.*		Absence	<a href="#">IARC Monographs</a>
Harmful and Potentially Harmful Constituents in Tobacco Products and Tobacco Smoke	I.P.*		Absence	<a href="#">FDA Established List</a>
Report on Carcinogens of the National Toxicology Program	I.P.*		Absence	<a href="#">National Toxicology Program</a>
I.P.*= Internal Policy				