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Mexico

FAIRS Product Specific

Mexico Publishes the List of Authorized Additives for Food and Beverages – Purified Substances, Enzymes & Synthetic Flavors

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Report Highlights:

On July 17, 2006, the Secretariat of Health (SSA) published the updated list of approved additives to be used as additives in food, beverages and food supplements. While MX6058 referred to the list of additives and colorants, this report includes the list of authorized purified substances, enzymes and synthetic flavors.

Includes PSD Changes: No
Includes Trade Matrix: No
Unscheduled Report
Mexico [MX1]
[MX]

Introduction: This report summarizes an announcement from the Secretariat of Health published in Mexico's "*Diario Oficial*" (Federal Register) on July 17, 2006.

Disclaimer: This summary is based on a *cursory* review of the subject announcement and therefore should not, under any circumstances, be viewed as a definitive reading of the regulation in question, or of its implications for U.S. agricultural export trade interests. In the event of a discrepancy or discrepancies between this summary and the complete regulation or announcement as published in Spanish, the latter shall prevail.

Title: Agreement that establishes the permitted substances to be used as additives in food, beverages and food supplements.

Important Dates

1. Publication Date: July 17, 2006

2. Effective Date: July 18, 2006

FAS/Mexico's Executive Summary: As a protective measure to guarantee the health of the Mexican population through the controlled use of additives in the preparation of food intended for human consumption and to cope with the constant development at the Food Industry, the Secretariat of Health (SSA) published the above-mentioned announcement. This report complements MX6058.

The authorized purified substances, enzymes and synthetic flavors for the preparation of food, beverages and food supplements are listed in three tables: Table 3 lists additives by family, genre and specie, Table 4 includes the authorized enzymes listed by its common name and Enzyme Commission registered number while Table 5 lists the authorized synthetic Chemical Abstract Service's registered number (CAS) nomenclature and, also, by its Flavors and Extracts Manufacturers Association's registered number (FEMA).

Table 3. Authorized pure substances for the preparation of chewing gum base obtained from the following plants.

Family	Genre	Specie
a. <i>Apocinaceae</i>	<i>Couma</i> <i>Dyera</i>	<i>Macrocarpa</i> <i>costulata</i>
b. <i>Euphorbiae</i>	<i>Chidoscolus</i> <i>Hebea</i>	<i>Elasticus</i> <i>brasiliensis</i>
c. <i>Moraceae</i>	<i>Brosimum</i> <i>Castilla</i> <i>Ficus</i>	<i>Utile</i> <i>fallas</i> <i>platyphylla</i>
d. <i>Sapotacea</i>	<i>Manilkara</i> <i>Manilkara</i> <i>Manilkara</i> <i>Micropholis</i> <i>Palaquium</i>	<i>Huberi</i> <i>solimoesensis</i> <i>zapotilla</i> <i>spp</i> <i>leiocarpum</i>

Table 4. Authorized enzymes for the preparation of food, beverages and food supplements. Identified by common name, origin of the substance, the Enzyme Commission (EC) number and chemical identification and synonyms.

Common name	Source	EC #	Chemical I.D. & Synonyms
α -acetolactate decarboxylase	- Bacillus subtilis, with a Bacillus brevis gene	4.1.1.5	(S)-2-hydroxy-2-methyl-3-oxobutanoate carboxylase
α -amylase	- Aspergillus niger - Aspergillus oryzae - Bacillus amyloliquefaciens - Bacillus licheniformis - Bacillus licheniformis with a Bacillus licheniformis - Bacillus licheniformis with a Bacillus licheniformis modified gene - Bacillus licheniformis with a Bacillus stearothermophilus modified gene - Bacillus subtilis - Rhizopus oryzae - Barley Malt	3.2.1.1	1,4- α -D-glucosidic; glycogenase; alpha-amylase; endoamylase; Taka-amylase A
α -galactosidase	- Morteirella vinacea, var. Raffino ceutilizer	3.2.1.22	melibiase; α -D-galactosidase; α -galactosidase A; α -galactoside galactohydrolase
glucan 1,4- α -glucosidase	- Aspergillus niger - Aspergillus niger with an Aspergillus niger gene - Aspergillus oryzae - Rhizopus niveus - Rhizopus oryzae	3.2.1.3	glucoamylase; amyloglucosidase; γ -amylase; lysosomal α -glucosidase; acid maltase; exo-1,4- α -glucosidase; glucose amylase; γ -1,4-glucan glucohydrolase; acid maltase
glucan 1,4- α -maltohydrolase	- Bacillus subtilis, with a Bacillus gene stearothermophilus	3.2.1.133	maltogenic α -amylase
Beta amilasa	- Barley from Malt		
endo-1,3(4)- β -glucanase	- Aspergillus aculeatus - Bacillus subtilis - Humicola insolens	3.2.1.6	endo-1,3- β -D-glucanase; laminarinase; laminaranase; β -1,3-glucanase; β -1,3-1,4-glucanase; endo-1,3- β -glucanase; endo- β -1,3(4)-glucanase;

			endo- β -1,3-1,4-glucanase; endo- β -(1 \rightarrow 3)-D-glucanase; endo-1,3-1,4- β -D-glucanase; endo- β -(1-3)-D-glucanase; endo- β -1,3-glucanase IV; endo-1,3- β -D-glucanase
Bromeline		3.4.22.4	Bromelain
α -amylase Polygalacturonase pectinesterase cellulase glucan 1,4- α -glucosidase lactase	- <i>Aspergillus niger</i>	3.2.1.1 3.2.1.15 3.1.1.11 3.2.1.4 3.2.1.3 3.2.1.108	glycogenase; α amylase, alpha-amylase; endoamylase; Taka-amylase A; pectin depolymerase; pectinase; endopolygalacturonase; pectolase; pectin hydrolase; pectin polygalacturonase; endopolygalacturonase; poly-a-1,4-galacturonide glycanohydrolase; endogalacturonase; endo-D-galacturonase; pectin demethoxylase; pectin methoxylase; pectin methylesterase; pectase; pectin methyl esterase; pectinoesterase; endo-1,4-b-D-glucanase; b-1,4-glucanase; b-1,4-endoglucan hydrolase; cellulase A; cellulose AP; endoglucanase D; alkali cellulase; cellulase A 3; celludextrinase; 9.5 cellulase; avicelase; pancellase SS; glucoamylase; amyloglucosidase; g-amylase; lysosomal a-glucosidase; acid maltase; exo-1,4-a-glucosidase; glucose amylase; g-1,4-glucan glucohydrolase; acid maltase; lactase-phlorizin hydrolase
α -amylase polygalacturonase glucan 1,4- α -glucosidase	- <i>Rhizopus oryzae</i>	3.2.1.1 3.2.1.15 3.2.1.3	lycogenase; a amylase, alpha-amylase; endoamylase; Taka-amylase A; pectin depolymerase; pectinase; endopolygalacturonase; pectolase; pectin hydrolase; pectin

			polygalacturonase; endo-polygalacturonase; poly-a-1,4-galacturonide glycanohydrolase; endogalacturonase; endo-D-galacturonase; glucoamylase; amyloglucosidase; g-amylase; lysosomal a-glucosidase; acid maltase; exo-1,4-a-glucosidase; glucose amylase; g-1,4-glucan glucohydrolase; acid maltase
galactitol 2-dehydrogenase	- Aspergillus niger - Liver from bovines - Micrococcus lysodeicticus	1.11.1.6	dulcitol dehydrogenase
cellulase	- Aspergillus niger - Trichoderma viride	3.2.1.4	endo-1,4- β -D-glucanase; β -1,4-glucanase; β -1,4-endoglucan hydrolase; cellulase A; cellulose AP; endoglucanase D; alkali cellulase; cellulase A 3; celludextrinase; 9.5 cellulase; avicelase; pancellase SS
Celulase, glucan 1,4- β -glucosidase, cellulose 1,4- β -cellobiosidase, endo-1,3(4)- β -glucanase	- Trichoderma longibrachiatum (A.k.a Trichoderma reesei)	3.2.1.4 3.2.1.74 3.2.1.91 3.2.1.6	endo-1,4- β -D-glucanase; β -1,4-glucanase; β -1,4-endoglucan hydrolase; cellulase A; cellulose AP; endoglucanase D; alkali cellulase; cellulase A 3; celludextrinase; 9.5 cellulase; avicelase; pancellase SS exo-1,4- β -glucosidase; exocellulase; exo- β -1,4-glucosidase; exo- β -1,4-glucanase; β -1,4- β -glucanase; β -glucosidase; exo-1,4- β -glucanase exo-cellobiohydrolase; β -1,4-glucan cellobiohydrolase; β -1,4-glucan cellobiosylhydrolase; 1,4- β -glucan cellobiosidase; exoglucanase; avicelase; CBH 1; C1 cellulase; cellobiohydrolase I;

			<p>cellobiohydrolase; exo-β-1,4-glucan cellobiohydrolase; 1,4-β-D- glucan cellobiohydrolase; cellobiosidase endo-1,3-β-D-glucanase; laminarinase; laminaranase; β-1,3- glucanase; β-1,3-1,4- glucanase; endo- 1,3-β-glucanase; endo-β-1,3(4)-glucanase; endo-β-1,3-1,4-glucanase; endo-β-(1\rightarrow3)-D- glucanase; endo-1,3- 1,4-β-D-glucanase; endo-β-(1-3)-D-glucanase; endo-β-1,3-glucanase IV; endo-1,3-β-D-glucanase</p>
leucyl aminopeptidase	- <i>Aspergillus oryzae</i>	3.4.11.1	<p>leucine aminopeptidase; leucyl peptidase; peptidase S; cytosol aminopeptidase; cathepsin III; L-leucine aminopeptidase; leucinaminopeptidase; leucinamide aminopeptidase; FTBL proteins; proteinates FTBL; aminopeptidase II; aminopeptidase III; aminopeptidase I</p>
ficain		3.4.22.3	<p>ficin; debricin; higueroxyl delabarre</p>
triacylglycerol lipase	- <i>Hansenula polymorpha</i> with a <i>Fusarium</i> heterosporum gene	3.1.1.3	<p>lipase; triglyceride lipase; tributyrase; butyrynase; glycerol ester hydrolase; tributyrinase; Tween hydrolase; steapsin; triacetinase; tributyrin esterase; Tweenase; amno N-AP; Takedo 1969-4-9; Meito MY 30; Tweenesterase; GA 56; capalase L; triglyceride hydrolase; triolein hydrolase; tween- hydrolyzing esterase; amano CE; cacordase; triglyceridase; triacylglycerol ester hydrolase; amano P; amano AP; PPL; glycerol- ester hydrolase; GEH;</p>

			meito Sangyo of lipase; hepatic lipase; lipazin; post-heparin plasma protamine-resistant lipase; salt-resistant post-heparin lipase; heparin releasable hepatic lipase; amano CES; amano B; tributyrase; triglyceride lipase; liver lipase; hepatic monoacylglycerol acyltransferase
xylose isomerase	- Actinoplanes missouriensis - Bacillus coagulans - Microbacterium arborescens - Streptomyces murinus - Streptomyces olivochromogenes - Streptomyces olivaceous	5.3.1.5	D-xylose isomerase; D-xylose ketoisomerase; D-xylose ketol-isomerase
glucose oxidase	- Aspergillus niger - Aspergillus oryzae with a Aspergillus niger gene	1.1.3.4	glucose oxyhydrase; corylophyline; penatin; glucose aerodehydrogenase; microcid; β -D-glucose oxidase; D-glucose oxidase; D-glucose-1-oxidase; β -D-glucose: quinone oxidoreductase; glucose oxyhydrase; deoxin-1; GOD
endo-1,4- β -xylanase	- Aspergillus niger - Bacillus subtilis	3.2.1.8	endo-(1 \rightarrow 4)- β -xylanase(1 \rightarrow 4)- β -xylan 4-xylanohydrolase; endo-1,4-xylanase; xylanase; β -1,4-xylanase; endo-1,4-xylanase; endo- β -1,4-xylanase; endo-1,4- β -D-xylanase; 1,4- β -xylan xylanohydrolase; β -xylanase; β -1,4-xylan xylanohydrolase; endo-1,4- β -xylanase; β -D-xylanase
hexose oxidase	- Hansemula polymorpha with a Chondreus crispus gene	1.1.3.5	D-hexose: oxygen 1-oxidoreductase
inulinase fructan β -fructosidase	- Aspergillus niger	3.2.1.7 3.2.1.80	inulase; indoinulinase; endo-inulinase; exoinulinase

			exo- β -D-fructosidase; exo- β -fructosidase; polysaccharide β -fructofuranosidase; fructan exohydrolase
β -fructofuranosidase	- <i>Saccharomyces cerevisiae</i>	3.2.1.26	invertase; saccharase; glucosucrase; β -h- fructosidase; β -fructosidase; invertin; sucrase; maxinvert L 1000; fructosylinvertase; alkaline invertase; acid invertase
laccase	- <i>Aspergillus oryzae</i> with a <i>Myceliophthora thermophila</i> gene	1.10.3.2	urishiol oxidase; urushiol oxidase; p-diphenol oxidase
α -galactosidase β -galactosidase	- <i>Aspergillus niger</i> - <i>Aspergillus oryzae</i> - <i>Saccharomyces</i> sp. - <i>Kluyveromyces fragilis</i>	3.2.1.22 3.2.1.23	melibiase; α -D- galactosidase; α -galactosidase A; α -galactoside galactohydrolase lactase; β -lactosidase; maxilact; hydrolact; β -D- lactosidase; S 2107; lactozym; trilactase; β -D- galactanase; oryzatym; sumiklat
triacylglycerol lipase	- <i>Aspergillus niger</i> - <i>Aspergillus niger</i> with a <i>Rhizomucor miehei</i> gene - <i>Aspergillus oryzae</i> - <i>Aspergillus oryzae</i> with a <i>Rhizomucor</i> <i>miehei</i> gene - <i>Aspergillus oryzae</i> with a <i>Fusarium</i> <i>oxysporum</i> gene - <i>Aspergillus oryzae</i> with a <i>Thermomyces</i> <i>lanuginosus</i> gene - <i>Aspergillus oryzae</i> with <i>Thermomyces</i> <i>lanuginosus</i> / <i>Fusarium</i> <i>oxysporum</i> hybrid gene - <i>Candida rugosa</i> - <i>Mucor javanicus</i> - Animal origin - <i>Rhizopus niveus</i> - <i>Rhizopus oryzae</i>	3.1.1.3	lipase; triglyceride lipase; tributyrase; butyrinase; glycerol ester hydrolase; tributyrylase; Tween hydrolase; steapsin; triacetinase; tributyrin esterase; Tweenase; amno N-AP; Takedo 1969-4-9; Meito MY 30; Tweenesterase; GA 56; capalase L; triglyceride hydrolase; triolein hydrolase; tween- hydrolyzing esterase; amano CE; cacordase; triglyceridase; triacylglycerol ester hydrolase; amano P; amano AP; PPL; glycerol- ester hydrolase; GEH; meito Sangyo OF lipase; hepatic lipase; lipazin; post-heparin plasma protamine-resistant lipase; salt-resistant post-heparin lipase; heparin releasable hepatic lipase; amano CES;

			amano B; tributyrase; triglyceride lipase; liver lipase; hepatic monoacylglycerol acyltransferase
acylglycerol lipase	- Penicillium camembertii	3.1.1.23	monoacylglycerol lipase; monoacylglycerolipase; monoglyceride lipase; monoglyceride hydrolase; fatty acyl monoester lipase; monoacylglycerol hydrolase; monoglyceridylipase; monoglyceridase
Papain chymopapain	- Carica papaya L.	3.4.22.2 3.4.22.6	papayotin; summetrin; velardon; papaine; Papaya peptidase I chymopapain A; chymopapain B; chymopapain S
pectinesterase	- Aspergillus oryzae with a Aspergillus aculeatus gene	3.1.1.11	pectin demethoxylase; pectin methoxylase; pectin methylesterase; pectase; pectin methyl esterase; pectinoesterase
Pectinesterase Polygalacturonase pectin lyase	- Aspergillus niger	3.1.1.11 3.2.1.15 4.2.2.10	pectin demethoxylase; pectin methoxylase; pectin methylesterase; pectase; pectin methyl esterase; pectinoesterase pectin depolymerase; pectinase; endopolygalacturonase; pectolase; pectin hydrolase; pectin polygalacturonase; endopolygalacturonase; poly- α -1,4-galacturonide glycanohydrolase; endogalacturonase; endo-D-galacturonase; pectin trans-eliminase; endo-pectin lyase; polymethylgalacturonic transeliminase; pectin methyltranseliminase; pectolyase; PL; PNL; PMGL
pepsin A pepsin B gastricsin	- From stomachs of swine and ruminants	3.4.23.1 3.4.23.2 3.4.23.3	pepsin; lactated pepsin; pepsin fortior; fundus-pepsin; elixir lactate of pepsin; P I; lactated pepsin elixir; P II; pepsin R; pepsin D; parapepsin I; pig gelatinase; pepsin C; pig

			parapepsin II; parapepsin II
subtilisin	- Aspergillus melleus - Bacillus amyloliquefaciens - Bacillus licheniformis	3.4.21.62	alcalase; alcalase 0.6L; alcalase 2.5L; ALK-enzyme; bacillopeptidase A; bacillopeptidase B; Bacillus subtilis alkaline proteinase biopraxe; biopraxe AL 15; biopraxe APL 30; colistinase; (see also comments); subtilisin J; subtilisin S41; subtilisin Sendai; subtilisin GX; subtilisin E; subtilisin BL; genenase I; esperase; maxatase; alcalase; thermoase PC 10; protease XXVII; thermoase; superase; subtilisin DY; subtiloepitidase; SP 266; savinase 8.0L; savinase 4.0T; katusase; protease VIII; opticlean; Bacillus subtilis alkaline proteinase; protin A 3L; savinase; savinase 16.0L; savinase 32.0 L EX; orientase 10B; protease S
Proctase	- Aspergillus niger	4.4.23.6	
aspergillopepsin I aspergillopepsin II	- Aspergillus oryzae	3.4.21 3.4.23.18 3.4.23.19	Aspergillus acid protease; Aspergillus acid proteinase; Aspergillus aspartic proteinase; Aspergillus awamori acid proteinase; Aspergillus carboxyl proteinase; (see also Comments); carboxyl proteinase; Aspergillus kawachii aspartic proteinase; Aspergillus saitoi acid proteinase; pepsin-type aspartic proteinase; Aspergillus niger acid proteinase; sumizyme AP; proctase P; denapsin; denapsin XP 271; proctase; proteinase A; proctase A; Aspergillus niger var. macrosporus aspartic proteinase
bacillolysin	- Bacillus amyloliquefaciens	3.4.24.28	Bacillus metalloendopeptidase; Bacillus subtilis neutral

			proteinase; anilozyme P 10; Bacillus metalloproteinase; Bacillus neutral proteinase; megateriopeptidase
aeromonolysin	- Bacillus subtilis	3.4.24.4	pseudolysin, thermolysin, bacillolysin, aureolysin, coccolysin, mycolysin, β -lytic metalloendopeptidase, deuterolysin, serralysin
leucyl aminopeptidase	- Aspergillus oryzae - Rhizopus oryzae	3.4.11.1	- Exopeptidasa - Leucina aminopeptidasa
pullulanase	- Bacillus acidopullulyticus - Bacillus subtilis (currently Bacillus amyloliquefaciens) with a Bacillus deramificans gene - Klebsiella aerogenes	3.2.1.41	amylopectin 6-glucanohydrolase; bacterial debranching enzyme; debranching enzyme; α -dextrin endo-1,6- α -glucosidase; R-enzyme
Chymosin A	- Escherichia coli K12, with a proquimosina A gene	3.4.23.4	rennin
Chymosin B	- Aspergillus niger var. awamori, with a proquimosina B gene - Kluyveromyces lactis, with a proquimosina B gene	3.4.23.4	renin
endothiapsin	- Endothia parasitica	3.4.23.22	Endothia aspartic proteinase; Endothia acid proteinase; Endothia parasitica acid proteinase; Endothia parasitica aspartic proteinase
mucorpepsin	- Rhizomucor miehei - Rhizomucor pusillus	3.4.23.23	Mucor rennin; Mucor aspartic proteinase; Mucor acid proteinase; Mucor acid protease; Mucor miehei aspartic proteinase; Mucor miehei aspartic protease; Mucor aspartic proteinase; Mucor pusillus emporase; Fromase 100; Mucor pusillus rennin; Fromase 46TL; Mucor miehei rennin
Enzymatic system: Candida guilliermondii fam. Cryptococcaceae and Candida lipolytica fam. Cryptococcaceae, for			

the citric acid preparation			
trypsin	- Animal origin	3.4.21.4	α -trypsin; β -trypsin; cocoonase; parenzyme; parenzymol; tryptar; trypure; pseudotrypsin; tryptase; tripcellim; sperm receptor hydrolase
protein-glutamine γ -glutamyltransferase	- Streptomyces mobaraense	2.3.2.13	transglutaminase; Factor XIIIa; fibrinolygase; fibrin stabilizing factor; glutaminylpeptide γ -glutamyltransferase; polyamine transglutaminase; tissue transglutaminase; R-glutaminyl-peptide: amine γ -glutamyl transferase
endo-1,4- β -xylanase	- Aspergillus oryzae with a Aspergillus nige gene - Humicola insolens - Aspergillus oryzae with a Thermomyces lanuginosus gene	3.2.1.8	endo- (1 \rightarrow 4)- β -xylanase(1 \rightarrow 4)- β -xylan 4-xylanohydrolase; endo-1,4-xylanase; xylanase; β -1,4-xylanase; endo-1,4-xylanase; endo- β -1,4-xylanase; endo-1,4- β -D-xylanase; 1,4- β -xylan xylanohydrolase; β -xylanase; β -1,4-xylan xylanohydrolase; endo-1,4- β -xylanase; β -D-xylanase

Table 5. Authorized synthetic flavors for the elaboration of flavors used in food, beverages and food supplements. Following is a list of allowed products by its Chemical Abstract Service's registered number (CAS) also, by its Flavors and Extracts Manufacturers Association's registered number (FEMA).

CAS	FEMA
77-54-3	Not reported.
87-05-8	Not reported.
108-84-9	Not reported.
498-02-2	Not reported.
623-18-7	Not reported.
624-42-0	Not reported.
1009-62-7	Not reported.
1726-47-2	Not reported.
1969-44-4	Not reported.
2511-00-4	Not reported.
6243-10-3	Not reported.
10039-39-1	Not reported.
10444-50-5	Not reported.
13553-09-8	Not reported.
32214-91-8	Not reported.
35472-56-1	Not reported.
38446-21-8	Not reported.
63826-25-5	Not reported.
65505-24-0	Not reported.
67399-73-9	Not reported.
67746-30-9	Not reported.
68214-06-2	Not reported.
72109-82-1	Not reported.
94022-04-5	Not reported.
94022-06-7	Not reported.
115422-59-8	Not reported.
7493-57-4	2004.
102-76-1	2007
7493-63-2	2020.
2051-78-7	2021.
1866-31-5	2022.
4728-82-9	2023.
7493-65-4	2024.
7493-66-5	2025.
2705-87-5	2026.
7493-68-7	2027.
7493-69-8	2029.
142-19-8	2031
79-78-7	2033.
7493-72-3	2036.
4230-97-1	2037.
7493-74-5	2038.
1797-74-6	2039.
2408-20-0	2040.
30895-79-5	2041.
7493-71-2	2043.
7493-76-7	2044.
2835-39-4	2045.
91-87-2	2062.
7493-78-9	2064.
101-85-9	2065.
7493-79-0	2066.
7493-80-3	2067.
7779-66-0	2070.
7779-67-1	2071.
1334-82-3	2072

CAS	FEMA
7493-82-5	2073. CoE 370c
65504-96-3	2076.
7779-72-8	2083.
2568-25-4	2130
119-53-9	2132.
588-67-0	2139.
7492-69-5	2143.
7492-37-7	2146.
7492-39-9	2148.
102-16-9	2149
1200-67-5	2162
7779-73-9	2166
97926-23-3	2172.
591-60-6	2176.
7779-75-1	2177.
7756-96-9	2181.
7779-77-3	2182.
7492-44-6	2191.
538-65-8	2192.
7492-45-7	2194.
17373-84-1	2195.
105-01-1	2198.
65504-45-2	2204.
2052-15-5	2207.
7779-78-4	2208.
109-42-2	2216.
60-01-5	2223.
4732-13-2	2246.
97-45-0	2251.
5660-60-6	2287
7492-65-1	2300.
7492-66-2	2304.
7549-37-3	2305.
7492-67-3	2310.
139-70-8	2315.
7540-53-6	2317.
5292-21-7	2347.
21722-83-8	2348
7779-16-0	2350.
7779-17-1	2352.
4351-54-6	2353.
6222-35-1	2354.
7774-44-9	2355.
7779-41-1	2363.
103-50-4	2371.
7774-47-2	2372.
109-43-3	2373.
110-40-7	2376.
7774-60-9	2388.
7779-07-9	2390.
151-05-3	2392.
10094-34-5	2394.
10058-43-2	2395.
102-04-5	2397.
89-65-6	2410.

CAS	FEMA
620-79-1	2416
1321-30-8	2417.
94-02-0	2423.
10031-86-4	2424.
10031-87-5	2425.
10094-36-7	2431.
10031-88-6	2438.
77-83-8	2444.
109-95-5	2446.
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