

CODEx ALIMENTARIUS COMMISSION



Food and Agriculture
Organization of the
United Nations



World Health
Organization

Viale delle Terme di Caracalla, 00153 Rome, Italy - Tel: (+39) 06 57051 - E-mail: codex@fao.org - www.codexalimentarius.org

Agenda Item 3b

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JOINT FAO/WHO FOOD STANDARDS PROGRAMME

CODEx COMMITTEE ON FOOD ADDITIVES

Forty-eighth Session

Xi'an, China, 14-18 March 2016

CODEx STANDARDS WITH ALUMINIUM CONTAINING FOOD ADDITIVES

STANDARD FOR MILK POWDERS AND CREAM POWDER (CODEx STAN 207-1999)

4. FOOD ADDITIVES

Only those food additives listed below may be used and only within the limits specified.

INS No.	Name of Additive	Maximum Level
Stabilizers		
331	Sodium citrates	5000 mg/kg singly or in combination, expressed as anhydrous substances
332	Potassium citrates	
Firming agents		
508	Potassium chloride	Limited by GMP
509	Calcium chloride	Limited by GMP
Acidity Regulators		
339	Sodium phosphates	5 000 mg/kg singly or in combination expressed as anhydrous substances
340	Potassium phosphates	
450	Diphosphates	
451	Triphosphates	
452	Polyphosphates	
500	Sodium carbonates	
501	Potassium carbonates	
Emulsifiers		
322	Lecithins	Limited by GMP
471	Mono- and di- glycerides of fatty acids	2 500 mg/kg
Anticaking Agents		
170(i)	Calcium carbonate	10 000 mg/kg singly or in combination
341(iii)	Tricalcium phosphate	
343(iii)	Trimagnesium phosphate	
504(i)	Magnesium carbonate	
530	Magnesium oxide	
551	Silicon dioxide, amorphous	
552	Calcium silicate	
553	Magnesium silicates	
554	Sodium aluminosilicate	265 mg/kg singly or in combination, expressed as aluminium
556	Calcium aluminium silicate	
Antioxidants		
300	Ascorbic acid (L-)	500 mg/kg expressed as ascorbic acid

INS No.	Name of Additive	Maximum Level
301	Sodium ascorbate	100 mg/kg
304	Ascorbyl palmitate	
320	Butylated hydroxyanisole	

**STANDARD FOR A BLEND OF SKIMMED MILK AND VEGETABLE FAT IN POWDERED FORM
(CODEX STAN 251-2006)**

4. FOOD ADDITIVES

Only those food additives listed below may be used and only within limits specified.

INS No.	Name of Additive	Maximum Level
Stabilizers		
331(i)	Sodium dihydrogen citrate	Limited by GMP
331(iii)	Trisodium citrate	Limited by GMP
332(i)	Potassium dihydrogen citrate	Limited by GMP
332(ii)	Tripotassium citrate	Limited by GMP
508	Potassium chloride	Limited by GMP
509	Calcium chloride	Limited by GMP
Acidity Regulators		
339(i)	Sodium dihydrogen phosphate	4400 mg/kg, singly or in combination, as phosphorous
339(ii)	Disodium hydrogen phosphate	
339(iii)	Trisodium phosphate	
340(i)	Potassium dihydrogen phosphate	
340(ii)	Dipotassium hydrogen phosphate	
340(iii)	Tripotassium phosphate	
341(i)	Calcium dihydrogen phosphate	
341(ii)	Calcium hydrogen phosphate	
450(i)	Disodium diphosphate	
450(ii)	Trisodium diphosphate	
450(iii)	Tetrasodium diphosphate	
450(v)	Tetrapotassium diphosphate	
450(vi)	Dicalcium diphosphate	
450(vii)	Calcium dihydrogen diphosphate	
451(i)	Pentasodium triphosphate	
451(ii)	Pentapotassium triphosphate	
452(i)	Sodium polyphosphate	
452(ii)	Potassium polyphosphate	
452(iii)	Sodium calcium polyphosphate	
452(iv)	Calcium polyphosphate	
452(v)	Ammonium polyphosphates	
500(i)	Sodium carbonate	Limited by GMP
500(ii)	Sodium hydrogen carbonate	Limited by GMP
500(iii)	Sodium sesquicarbonate	Limited by GMP
501(i)	Potassium carbonate	Limited by GMP
501(ii)	Potassium hydrogen carbonate	Limited by GMP
Emulsifiers		
322	Lecithins	Limited by GMP
471	Mono- and d- glycerides of fatty acids	Limited by GMP

INS No.	Name of Additive	Maximum Level
Anticaking Agents		
170(i)	Calcium carbonate	Limited by GMP
504(i)	Magnesium carbonate	Limited by GMP
530	Magnesium oxide	Limited by GMP
551	Silicon dioxide, amorphous	Limited by GMP
552	Calcium silicate	Limited by GMP
553(i)	Magnesium silicate (synthetic)	Limited by GMP
553(iii)	Talc	Limited by GMP
554	Sodium aluminosilicate	570 mg/kg singly or in combination expressed as aluminium
556	Calcium aluminium silicate	
341(iii)	Tricalcium phosphate	4400 mg/kg, singly or in combination as phosphorous
343(iii)	Trimagnesium phosphate	
Antioxidants		
300	Ascorbic acid (L-)	500 mg/kg as ascorbic acid
301	Sodium ascorbate	
304	Ascorbyl palmitate	80 mg/kg, singly or in combination, as ascorbyl stearate
305	Ascorbyl stearate	
320	Butylated hydroxyanisole	100 mg/kg singly or in combination. Expressed on fat or oil basis
321	Butylated hydroxytoluene	
319	Tertiary butylhydroquinone	

**STANDARD FOR EDIBLE CASEIN PRODUCTS
(CODEX STAN 290-1995)**

4. FOOD ADDITIVES

Only those additives listed below may be used within the limits specified.

Caseinates

INS No	Name of food additive	Maximum level	
Acidity regulators			
170	Calcium carbonates	Limited by GMP	
261(i)	Potassium acetate		
262(i)	Sodium acetate		
263	Calcium acetate		
325	Sodium lactate		
326	Potassium lactate		
327	Calcium lactate		
328	Ammonium lactate		
329	Magnesium lactate (DL-)		
331	Sodium citrates		
332	Potassium citrates		
333	Calcium citrates		
345	Magnesium citrate		
380	Triammonium citrates		
339	Sodium phosphates		4400 mg/kg singly or in combination expressed as phosphorus*
340	Potassium phosphates		
341	Calcium phosphates		
342	Ammonium phosphates		
343	Magnesium phosphates		

INS No	Name of food additive	Maximum level
452	Polyphosphates	2200 mg/kg singly or in combination expressed as phosphorus *
500	Sodium carbonates	Limited by GMP
501	Potassium carbonates	
503	Ammonium carbonates	
504	Magnesium carbonates	
524	Sodium hydroxide	
525	Potassium hydroxide	
526	Calcium hydroxide	
527	Ammonium hydroxide	
528	Magnesium hydroxide	
Emulsifiers		
322	Lecithins	Limited by GMP
471	Mono- and di-glycerides of fatty acids	
Bulking agents		
325	Sodium lactate	Limited by GMP
Anti-caking agents		
170(i)	Calcium carbonate	4400 mg/kg or in combination *
341(iii)	Tricalcium phosphate	
343(iii)	Trimagnesium phosphate	
460	Celluloses	
504(i)	Magnesium carbonate	
530	Magnesium oxide	
551	Silicon dioxide, amorphous	
552	Calcium silicate	
553	Magnesium silicates	
1442	Hydroxypropyl distarch phosphate	
554	Sodium aluminosilicate	265 mg/kg singly or in combination, expressed as aluminium
556	Calcium aluminium silicate	

* Total amount of phosphorus shall not exceed 4400 mg/kg