

Appendix C

CIPAC Codes for Ions and Ester Radicals

The names written in italic characters are ISO names for ions and radicals from ISO/DIS 257. The chemical names are given in the rows below.

Inorganic cations

003	Li ⁺
007	NH ₄ ⁺
011	Na ⁺
012	Mg ²⁺
013	Al ³⁺
019	K ⁺
020	Ca ²⁺
029	Cu ²⁺
030	Zn ²⁺

Organic cations (continued)

112	<i>trolamine</i> tris(2-hydroxyethyl) ammonium
113	<i>diclexine</i> dicyclohexylammonium
114	<i>trimesium</i> trimethylsulfonium
115	piperazine
116	Et ₃ N
117	see <i>trolamine</i> 112

Organic cations

101	MeNH ₂
102	Me ₂ NH
103	EtNH ₂
104	Et ₂ NH
105	isopropylNH ₂
106	(isopropyl) ₂ NH
107	butNH ₂
108	<i>sec</i> -butNH ₂
109	<i>tert</i> -butNH ₂
110	<i>olamine</i> 2-hydroxyethylammonium
111	<i>diolamine</i> bis(2-hydroxyethyl) ammonium

Ester radicals

201	methyl
202	ethyl
203	propyl
204	isopropyl
205	butyl
206	<i>sec</i> -butyl
207	<i>tert</i> -butyl
208	pentyl (amyl)
209	isopentyl (isoamyl)
210	hexyl
211	heptyl
212	<i>mexyl</i> 1-methylhexyl
213	octyl

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Ester radicals (continued)

214	<i>meptyl</i> 1-methylheptyl
215	2-ethyl-1-hexyl
216	nonyl
217	decyl
218	dodecanyl (lauryl)
219	octadecanyl (stearyl)
220	oleyl
221	<i>butometyl</i> 2-butoxy-1-methylethyl
222	<i>butotyl</i> 2-butoxyethyl
223	<i>ethadyl</i> 2-ethanediol
224	<i>etotyl</i> 2-ethoxyethyl
225	<i>propargyl</i> prop-2-ynyl
226	<i>tefuryl</i> tetrahydrofuryl
227	benzyl
228	dimethyl
229	diethyl
230	2-butoxypropyl
231	isobutyl

Inorganic anions (continued)

311	PO ₃ ³⁻
312	dichloride
313	dibromide

Acid radicals/organic anions

401	acetate (acetyl)
402	propanoate (propanoyl)
403	butanoyl (butyrate)
404	pentanoate
405	hexanoate
406	heptanoate
407	octanoate
408	dodecanoate (laurate)
409	octadecanoate (stearate)
410	---
411	(<i>Z</i>) octadec-9-enoate (oleate)
412	benzoate
413	naphtho(1 or 2)ate
414	<i>metilsulfate</i> methylsulfate
415	<i>tris(albesilate)</i> alkylbenzenesulfonate

Inorganic anions

301	F ⁻
302	Cl ⁻
303	Br ⁻
304	I ⁻
305	OH ⁻
306	SO ₄ ²⁻
307	SO ₃ ²⁻
308	NO ₃ ⁻
309	NO ₂ ⁻
310	PO ₄ ³⁻

Ester radicals/salts

501	methyl sodium
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Other

- 601 hydrochloride
- 602 oxychloride
- 603 (I)oxide
- 604 Bordeaux mixture
- 605 Sodium salt mono hydrate
- 606 tribasic sulfate
 $\text{CuSO}_4 \cdot 3\text{Cu}(\text{OH})_2 \cdot \text{H}_2\text{O}$
- 607 monohydrate