

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 trolamine 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 |

Ester radicals (continued)

| | |
|-----|--|
| 214 | <i>meptyl</i> 1-methylheptyl |
| 215 | <i>etexyl</i> 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 |
|-----|---------------|

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