

數值換算 / Conversion Calculation

對於下表中的測試項目(AX)·目前實驗室僅能樣品中的相應元素或物質(A)含量進行分析·然後在假設樣品中的元素或物質(A)全部以化合物(AX)形式存在的前提下通過換算·即將測試結果(A)乘以轉換因數(F)·得出測試項目(AX)的參考值·此參考值代表意義為樣品中該項測試結果可能含有該測試項目化合物或同分異構體的最大值。

For the test items (AX) in the following table, our laboratory currently can only analyze the content of the corresponding elements/substances (A) in the samples. Assuming the elements/substances (A) from the samples are all in the compound form (AX), the conversion is then carried. The resulting value (A) multiplies by the conversion factor (F), and the reference value of testing item (AX) is obtained. This reference value indicates that the sample may contain the particular compounds or the maximum value of the isomer.

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換算公式 (Conversion Formula) : $AX = A \times F$

| AX | A | F | |
|---|------------------|---------------------------|--------|
| 五氧化二砷 / Diarsenic pentaoxide | 砷 / Arsenic (As) | 1.5339 | |
| 三氧化二砷 / Diarsenic trioxide | | 1.3203 | |
| 三乙基砷酸酯 / Triethyl arsenate | | 3.0179 | |
| 砷酸氫鉛 / Lead hydrogen arsenate | | 4.6332 | |
| 苦味酸鉛 / Lead dipicrate | 鉛 / Lead (Pb) | 1.6753 | |
| 中性斯蒂酚酸鉛 / Lead styphnate | | 3.2017 | |
| 疊氮化鉛 / Lead diazide, Lead azide | | 2.1732 | |
| 砷酸鉛 / Trilead diarsenate | | 1.4056 | |
| 砷酸 / Arsenic acid | 砷 / Arsenic (As) | 1.447 | |
| 砷酸鈣 / Calcium arsenate | | 6.0025 | |
| 甲基磺酸鉛 / Lead(II) bis(methanesulfonate) | 鉛 / Lead (Pb) | 1.8946 | |
| 城式醋酸鉛 / Acetic acid, lead salt, basic | | 2.6566 | |
| 城式碳酸鉛 / Trilead bis(carbonate) dihydroxide (basic lead carbonate) | | 1.9179 | |
| 城式硫酸鉛 / Lead oxide sulfate | | 1.367 | |
| [1,2-苯二羧酸根合]三氧化二鉛 / [Phthalato(2-)] dioxotrilead | | 1.2478 | |
| 雙(十八酸基)二氧代三鉛 / Dioxobis(stearato) trilead | | 1.2704 | |
| C16-18-脂肪酸鉛鹽 / Fatty acids, C16-18, lead salts | | 1.3155 | |
| 氨基氰鉛鹽 / Lead cyanamidate | | 1.9635 | |
| 硝酸鉛 / Lead dinitrate | | 3.7362 | |
| 氧化鉛 / Lead oxide (lead monoxide) | | 1.2029 | |
| 四氧化鉛 / Lead tetroxide (orange lead) | | 1.5985 | |
| 氧化鉛與硫酸鉛的複合物 / Pentalead tetraoxide sulphate | | 1.0772 | |
| 矽酸鉛 / Silicic acid, lead salt | | 1.1030 | |
| 亞硫酸鉛(II) / Sulfurous acid, lead salt, dibasic | | 1.1545 | |
| 四乙基鉛 / Tetraethyllead | | 1.3672 | |
| 三鹼式硫酸鉛 / C.I. 顏料白 / Tetralead trioxide sulphate | | 1.2753 | |
| 鈦酸鉛 / Lead titanium trioxide | | 1.561 | |
| 鈦酸鉛鋇 / Lead Titanium Zirconium Oxide | | 1.1738 | |
| C.I.顏料黃41 / Pyrochlore, antimony lead yellow | | 1.4627 | |
| 磷酸氧化鉛 / Trilead dioxide phosphonate | | 1.6719 | |
| 氧化雙三丁基錫 / Bis(tributyltin) oxide (TBTO) (CAS No.: 56-35-9) | | 1.8579 | |
| | | 三丁基錫 / Tributyl Tin (TBT) | 1.1801 |
| | | | 1.024 |

數值換算 / Conversion Calculation

換算公式 (Conversion Formula) : $AX = A \times F$

| AX | A | F | |
|--|-------------------------------------|-----------------|--------|
| 硫酸鈷(二價) / Cobalt(II) sulphate | 鈷 / Cobalt (Co) | 2.63 | |
| 硝酸鈷(二價) / Cobalt(II) dinitrate | | 3.1042 | |
| 碳酸鈷(二價) / Cobalt(II) carbonate | | 2.0183 | |
| 醋酸鈷(二價) / Cobalt(II) diacetate | | 3.0038 | |
| 重鉻酸鈉 / Sodium dichromate | 六價鉻 / Hexavalent Chromium Cr(VI) | 2.5192 | |
| 鉻酸鈉 / Sodium chromate | | 3.1151 | |
| 重鉻酸銨 / Ammonium dichromate | | 2.4239 | |
| 重鉻酸鉀 / Potassium dichromate | | 2.8289 | |
| 鉻酸鉀 / Potassium chromate | | 3.7347 | |
| 三氧化鉻 / Chromium trioxide | | 1.9231 | |
| 鉻酸 / Chromic acid | | 2.2696 | |
| 重鉻酸 / Dichromic acid | | 2.0963 | |
| 鉻酸銣 / Strontium chromate | | 3.9159 | |
| 八氫氧化五鉻酸鋅 / Pentazinc chromate octahydroxide | | 11.1345 | |
| 氫氧化鉻酸鋅鉀 / Potassium hydroxyoctaoxidizincatedi-chromate | | 4.0277 | |
| 鉻酸鉻 / Dichromium tris (chromate) | | 2.8975 | |
| 含鉛的矽酸鋇 / Silicic acid, barium salt, lead-doped | | 鋇 / Barium (Ba) | 1.9916 |
| 四氟硼酸鉛(II) / Lead bis(tetrafluoroborate) | | 鉛 / Lead (Pb) | 1.8378 |
| 硼酸 / Boric acid | 硼 / Boron (B) | 17.6133 | |
| 無水四硼酸二鈉 / Disodium tetraborate, anhydrous | | 5.7184 | |
| 水合硼酸鈉(五水四硼酸二鈉) / Disodium tetraborate, pentahydrate | | 4.6531 | |
| 水合硼酸鈉(十水四硼酸二鈉) / Disodium tetraborate, decahydrate | | 6.7361 | |
| 三氧化二硼 / Diboron trioxide | | 8.8191 | |
| 過硼酸鈉 / Sodium perborate; perboric acid, sodium salt | | 3.2194 | |
| 過氧偏硼酸鈉 / Sodium peroxometaborate | | 9.2333 | |
| 氧化硼鈉 / Disodium octaborate (CAS No.: 12008-41-2) | | 7.5668 | |
| 硼酸鈉鹽 / Orthoboric acid, sodium salt (CAS No.: 13840-56-7) | | 3.9367 | |
| 氧化鎘 / Cadmium oxide | | 11.8215 | |
| 硫化鎘 / Cadmium sulphide | 鎘 / Cadmium (Cd) | 1.1423 | |
| 氯化鎘 / Cadmium chloride | | 1.2853 | |
| 氟化鎘 / Cadmium fluoride | | 1.6307 | |
| 硫酸鎘 / Cadmium sulphate | | 1.338 | |
| 硝酸鎘 / Cadmium nitrate (CAS No.: 10325-94-7) | | 1.8546 | |
| 碳酸鎘 / Cadmium carbonate (CAS No.: 513-78-0) | | 2.1031 | |
| 氫氧化鎘 / Cadmium hydroxide (CAS No.: 21041-95-2) | | 1.5338 | |
| 醋酸鉛 / Lead di(acetate) | | 鉛 / Lead (Pb) | 1.3026 |
| 鉻酸鉛 / Lead chromate | 鉛 / Lead (Pb) | 1.57 | |
| 鉻酸鉛 ; 顏色索引: 顏料黃34 / Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 六價鉻 / Cr(VI) | 1.5598 | |
| | 六價鉻 / Cr(VI) | 6.2157 | |
| 鉻酸鉛 ; 顏色索引: 顏料紅104 / Lead chromate molybdate sulphate red (C.I. Pigment Red 104) | 鉛 / Lead (Pb) | 1.5625 | |
| | 六價鉻 / Cr(VI) | 9.2949 | |
| 鉻酸鉛 ; 顏色索引: 顏料紅104 / Lead chromate molybdate sulphate red (C.I. Pigment Red 104) | 鉛 / Lead (Pb) | 1.6949 | |
| | 六價鉻 / Cr(VI) | 8.2622 | |

數值換算 / Conversion Calculation

換算公式 (Conversion Formula) : $AX = A \times F$

| AX | A | F |
|--|--------------------------|---------|
| 二正辛基-雙(2-乙基己基巰基乙酸酯)錫 / 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) (CAS No.: 15571-58-1) | 二辛基錫 / Dioctyl Tin (DOT) | 2.1655 |
| 二月桂酸二辛基錫·錫烷·二辛基·雙(椰油醯氧基)衍生物·以及任何其他錫烷·二辛基·雙(脂肪醯氧基)衍生物。其中C12為脂肪醯氧基部分的主要碳原子數 / Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety | | 2.22 |
| 二正丁基雙(乙醯丙酮基)錫 / Dibutylbis(pentane-2,4-dionato-O,O')tin (CAS No.: 22673-19-4) | 二丁基錫 / Dibutyl Tin (DBT) | 1.42 |
| 二氯二丁基錫 / Dibutyltin dichloride (DBTC) (CAS No.: 683-18-1) | | 1.2932 |
| 四氧化三鈷含 $\geq 0.1\%$ w/w 氧化鎳 / Tricobalt tetraoxide containing $\geq 0.1\%$ w/w nickel oxides (CAS No.: 1308-06-1) | 鈷 / Cobalt (Co) | 1.4103 |
| 硫-(三環[5.2.1.0' ² .6]癸-3-烯-8(或9)-基) 氧-(異丙基或異丁基或2-乙基己基) 氧-(異丙基或異丁基或2-乙基己基)二硫代磷酸酯 / S-(tricyclo[5.2.1.0' ² .6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate) | 磷 / Phosphorus (P) | 15.7152 |
| | 硫 / Sulfur (S) | 7.5896 |

換算公式 (Conversion Formula) : $AX = A_1 \times F_1 + A_2 \times F_2$

| AX | A | F |
|---|----------------------------|--------|
| 二正辛基-雙(2-乙基己基巰基乙酸酯)錫和單辛基-三(2-乙基己基巰基乙酸酯)錫的反應物 / Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) | 1 二辛基錫 / Dioctyl Tin (DOT) | 2.1781 |
| | 2 單辛基錫 / MonoctylTin (MOT) | 3.5833 |
| 氧化銦錫 / Indium tin oxide | 1 銦 / Indium (In) | 1.2090 |
| | 2 錫 / Tin (Sn) | 1.2696 |

換算公式 (Conversion Formula) : $AX = A \times F$

| AX | A | F |
|---|--------------------------|--------|
| 三氧化二銻 / Antimony trioxide (Sb_2O_3) | 銻 / Antimony (Sb) | 1.1971 |
| 三氧化銻 / Antimony Trioxide (SbO_3) | 銻 / Antimony (Sb) | 1.3942 |
| 氧化鈹 / Beryllium oxide (BeO) | 鈹 / Beryllium (Be) | 2.7753 |
| 四水八硼酸二鈉 / Disodium Octaborate Tetrahydrate | 硼 / Boron (B) | 4.77 |
| 五氧化二銻 / Antimony Pentaoxide (Sb_2O_5) | 銻 / Antimony (Sb) | 1.3285 |
| 二氧化矽 / Silicon dioxide (SiO_2) | 矽 / Silicon (Si) | 2.1394 |
| 氧化鈉 / Sodium oxide (Na_2O) | 鈉 / Sodium (Na) | 1.348 |
| 三氧化二鉍 / Bismuth trioxide (Bi_2O_3) | 鉍 / Bismuth (Bi) | 1.1148 |
| 氧化鋅 / Zinc oxide (ZnO) | 鋅 / Zinc (Zn) | 1.2447 |
| 三氧化二鋁 / Aluminium oxide | 鋁 / Aluminum (Al) | 1.8895 |
| 二丁基錫氫硼烷 / Dibutyltin hydrogen borate (DBB) | 二丁基錫 / Dibutyl Tin (DBT) | 1.246 |
| 二月桂酸二丁基錫 / Dibutyltin dilaurate (DBD) | | 2.688 |
| 二丁基錫氧化物 / Dibutyl Tin Oxide (DBTO) | | 1.0595 |
| 二辛基二新癸酰氧錫 / Dioctyltin dineodecanoate (DOD) | 二辛基錫 / Dioctyl Tin (DOT) | 1.9808 |
| 氧化二辛基錫 / Dioctyltin oxide (DOTO) | | 1.0288 |

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換算公式 (Conversion Formula) : $AX = A \times F$

| AX | A | F |
|--|---------------------|---------|
| 氧化鉍 / Bismuth monoxide (BiO) | 鉍 / Bismuth (Bi) | 1.0766 |
| 二氧化鈦 (TiO ₂) | 鈦 / Titanium (Ti) | 1.6685 |
| 磷酸鉛 / Lead phosphate (CAS No.: 7446-27-7) | 鉛 / Lead (Pb) | 1.3056 |
| | 磷 / Phosphorus (P) | 13.1005 |
| 碳酸鋰/Lithium carbonate (CAS No.: 554-13-2) | 鋰 / Lithium (Li) | 5.3063 |
| 硫酸鈹 / Beryllium sulfate | 鈹 / Beryllium (Be) | 11.6595 |
| 氧化鈷 / Cobalt oxide | 鈷 / Cobalt (Co) | 1.2715 |
| 氧化鎳 / Nickel oxide (CAS No.: 1313-99-1) | 鎳 / Nickel (Ni) | 1.2726 |
| 碳酸鎳 / Nickel carbonate (CAS No.: 3333-67-3) | 鎳 / Nickel (Ni) | 2.0224 |
| 二氯化鈷 / Cobalt dichloride (CAS No.: 7646-79-9) | 鈷 / Cobalt (Co) | 2.2031 |
| | 氯 / Chlorine (Cl) | 1.8312 |
| 硫酸鈷 / Cobalt Sulphate (CAS No.: 10124-43-3) | 鈷 / Cobalt (Co) | 2.6301 |
| | 硫 / Sulfur (S) | 4.8335 |
| 磷化銦 / Indium Phosphide (CAS No.: 22398-80-7) | 磷 / Phosphorus (P) | 4.7069 |
| | 銦 / Indium (In) | 1.2698 |
| 硫酸鎳 / Nickel Sulphate (CAS No.: 7786-81-4) | 鎳 / Nickel (Ni) | 2.6367 |
| | 硫 / Sulfur (S) | 4.8260 |
| 氨基磺酸鎳 / Nickel Sulfamate (CAS No.: 13770-89-3) | 鎳 / Nickel (Ni) | 4.2743 |
| | 硫 / Sulfur (S) | 15.6464 |
| Pigment Black 25* (CAS No.: 68186-89-0) | 鈷 / Cobalt (Co) | 2.2727 |
| | 鎳 / Nickel (Ni) | 2.2727 |
| Pigment Red 104* (CAS No.: 12656-85-8) | 鉛 / Lead (Pb) | 1.6949 |
| | 鉻 / Chromium (Cr) | 8.3333 |
| | 六價鉻 / Cr(VI) | 8.3333 |
| | 鉬 / Molybdenum (Mo) | 83.3333 |
| Pigment Yellow 157* (CAS No.: 68610-24-2) | 鋇 / Barium (Ba) | 4.7619 |
| | 鎳 / Nickel (Ni) | 16.9492 |
| | 鈦 / Titanium (Ti) | 2.439 |
| Pigment Yellow 34* (CAS No.: 1344-37-2) | 鉛 / Lead (Pb) | 1.5625 |
| | 鉻 / Chromium (Cr) | 9.0909 |
| | 六價鉻 / Cr(VI) | 9.0909 |
| 六水合硫酸鎳 / Nickel(II) sulfate hexahydrate (CAS No.: 10101-97-0) | 鎳 / Nickel (Ni) | 4.4784 |
| | 硫 / Sulfur (S) | 8.1968 |
| 七水合硫酸鎳 / Nickel(II) sulfate heptahydrate (CAS No.: 10101-98-1) | 鎳 / Nickel (Ni) | 4.7853 |
| | 硫 / Sulfur (S) | 8.7586 |
| 丙酸苯汞 / Phenylmercury propionate (CAS No.: 103-27-5) | 汞 / Mercury (Hg) | 1.7487 |
| 辛酸苯汞 / Phenylmercury octanoate (CAS No.: 13864-38-5) | | 2.0983 |
| 異辛酸苯汞 / Phenylmercury 2-ethylhexanoate (CAS No.: 13302-00-6) | | 2.0983 |
| 新癸酸苯汞 / Phenylmercury neodecanoate (CAS No.: 26545-49-3) | | 2.2381 |
| 醋酸苯汞 / Phenylmercury acetate (CAS No.: 62-38-4) | | 1.6787 |
| 氫氧化鋁 Aluminium(III) hydroxide (CAS No.: 21645-51-2) | 鋁 / Aluminum (Al) | 2.891 |
| 全氟辛酸鈹 / APFO (CAS No.: 3825-26-1) | 全氟辛酸 / PFOA | 1.041 |
| 全氟丁基磺酸鉀 / PFBS-K (CAS No.: 29420-49-3) | 全氟丁磺酸 / PFBS | 1.1269 |
| 全氟辛酸鈉 / PFOA-Na (CAS No.: 335-95-5) | 全氟辛酸 / PFOA | 1.053 |

數值換算 / Conversion Calculation

換算公式 (Conversion Formula) : $AX = A \times F$

| AX | A | F |
|--|----------------|--------|
| 全氟辛酸鉀 / PFOA-K (CAS No.: 2395-00-8) | 全氟辛酸 / PFOA | 1.092 |
| 全氟辛酸銀 / PFOA-Ag (CAS No.: 335-93-3) | 全氟辛酸 / PFOA | 1.258 |
| 全氟辛氟 / PFOA-F (CAS No.: 335-66-0) | 全氟辛酸 / PFOA | 1.005 |
| 全氟己基磺酸鈉 / PFHxS-Na (CAS No.: 82382-12-15) | 全氟己基磺酸 / PFHxS | 1.057 |
| 全氟己基磺酸鉀 / PFHxS-K (CAS No.: 3871-99-6) | 全氟己基磺酸 / PFHxS | 1.095 |
| 全氟壬酸鈉 / PFNA-Na (CAS No.: 21049-39-8) | 全氟壬酸 / PFNA | 1.05 |
| 全氟壬酸鉍 / APFN (CAS No.: 4149-60-4) | 全氟壬酸 / PFNA | 1.039 |
| 全氟庚基磺酸鈉 / PFHpS-Na (CAS No.: 68555-66-8) | 全氟庚基磺酸 / PFHpS | 1.051 |
| 全氟癸酸鈉 / PFDA-Na (CAS No.: 3830-45-3) | 全氟癸酸 / PFDA | 1.043 |
| 全氟癸酸氨 / APFDA (CAS No.: 3108-42-7) | 全氟癸酸 / PFDA | 1.033 |
| 全氟辛基磺醯氟 / POSF (CAS No.: 307-35-7) | 全氟辛烷磺酸 / PFOS | 1.004 |
| 全氟辛基磺酸鉀 / PFOS-K (CAS No.: 2795-39-3) | 全氟辛烷磺酸 / PFOS | 1.0762 |
| 全氟辛基磺酸鉍 / PFOS-NH4 (CAS No.: 29081-56-9) | 全氟辛烷磺酸 / PFOS | 1.034 |
| 全氟辛基磺酸二癸二甲基鉍 / PFOS-DDA (CAS No.: 251099-16-8) | 全氟辛烷磺酸 / PFOS | 1.651 |
| 全氟辛基磺酸二乙醇鉍 / PFOS-NH(OH)2 (CAS No.: 70225-14-8) | 全氟辛烷磺酸 / PFOS | 1.21 |
| 全氟辛基磺酸鋰 / PFOS-Li (CAS No.: 29457-72-5) | 全氟辛烷磺酸 / PFOS | 1.012 |
| 全氟辛基磺酸四乙基鉍 / PFOS-N(C2H5)4 (CAS No.: 56773-42-3) | 全氟辛烷磺酸 / PFOS | 1.258 |
| 全氟癸烷磺酸鈉 / PFDS-Na (CAS No.: 2806-15-7) | 全氟癸烷磺酸 / PFDS | 1.038 |
| 全氟癸烷磺酸鉀 / PFDS-K (CAS No.: 2806-16-8) | 全氟癸烷磺酸 / PFDS | 1.065 |
| 全氟癸基磺酸鉍 / PFDS-NH4 (CAS No.: 67906-42-7) | 全氟癸烷磺酸 / PFDS | 1.028 |